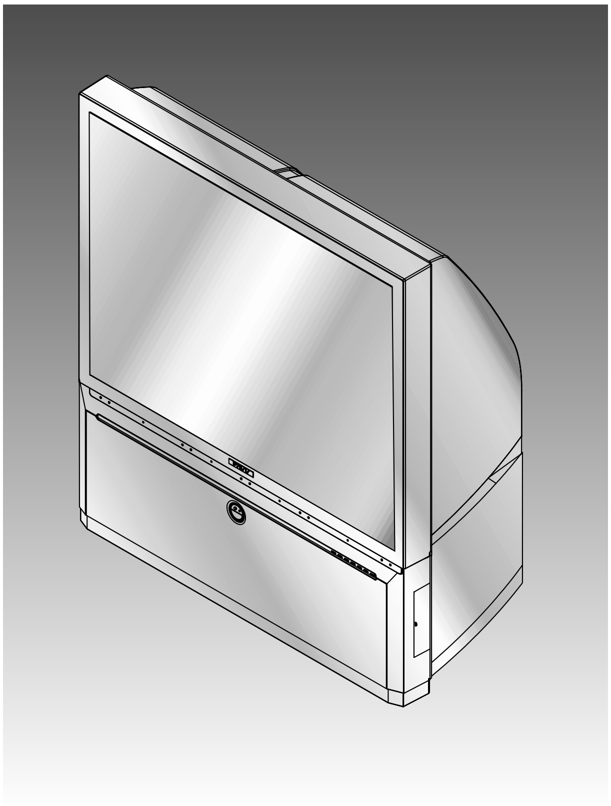
# PROJECTION TV RECEIVER

**Chassis :** J54A(P) C2.0
**Model:** SP43T7HF1X/BOB
SP43T7HF1X/EUE
SP42W5HF1X/XEG
SP42W5HFX/XEU

# SERVICE Manual

PROJECTION TV RECEIVER



CONTENTS

ELECTRONICS


Printed in Korea
**AA82-00512A**

# 1. Alignment and Adjustments

## 1-1 When entering the service mode;

1. Turn on the TV, and then select “DYNAMIC” on the picture adjustment mode.

2. Turn off the TV(STAND-BY).

3. Enter the service mode by pressing the remote control keys in the following sequence:
   Display -> Menu -> Mute -> Power ON

Note : If necessary, re-do steps 1~3.

Initial display when the service mode is switched.

### 1-1-1 WHEN A RF SIGNAL IS RECEIVED

**MODEL((T_CM2P06_002)**

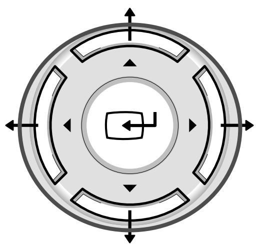
DEFLECTION
VIDEO ADJUST 1
VIDEO ADJUST 2
VIDEO ADJUST 3
VIDEO ADJUST 4
OPTION (87h 05ch)
YC DELAY
RESET
T_CM2906_002 yy.mm.dd

**MODEL(T_CMDEAC_XXX)**

DEFLECTION
VIDEO ADJUST 1
VIDEO ADJUST 2
VIDEO ADJUST 3
VIDEO ADJUST 4
OPTION (EF 8E 2E)
YC DELAY
RESET
T_CMDEAC_XXX yy.mm.dd

### 1-1-2 SERVICE MODE CONTROL KEYS

| MAIN MENU | MENU DISPLAY |
|---|---|
| UP / DOWN | Select item by moving cursor |
| RIGHT / LEFT | Decrease or increase the adjustment values |



[Navigation Key]

✍ **PRECAUTIONS**

1. When EEPROM IC (IC902) is replaced, first connect the power cord and wait for about 4~5 seconds.

2. After replacing EEPROM IC (IC902), enter the Service mode. Next, enter the standard data or the previous EEPROM IC data before replacement. And then check and adjust any items related to Geometric, Picture, Option.

# 1-2 FACTORY MODE MENU

## 1-2-1 MODEL(T_CM2906_002)

### 1-2-1(A) DEFLECTION

| Item | Range | Initial Data | | Remark |
|---|---|---|---|---|
| | | 4:3 | Wide | |
| V Amp | 0 ~ 63 | 39 | 31 | Variable |
| V Shift | 0 ~ 63 | 31 | 31 | FIX |
| H EW | 0 ~ 63 | 44 | 31 | Variable |
| H Shift | 0 ~ 63 | 31 | 31 | FIX |
| V Linearity | 0 ~ 15 | 7 | | FIX |
| Upper Linearity | 0 ~ 15 | 0 | | FIX |
| Lower Linearity | 0 ~ 15 | 0 | | FIX |
| V SC | 0 ~ 15 | 7 | | FIX |
| H Parabolra | 0 ~ 63 | 25 | 31 | FIX |
| Upper Corner | 0 ~ 63 | 37 | 31 | FIX |
| Lower Corner | 0 ~ 63 | 33 | 31 | FIX |
| H Trapezium | 0 ~ 63 | 31 | | FIX |
| Bow | 0 ~ 63 | 31 | | FIX |
| Angle | 0 ~ 63 | 31 | | FIX |
| V Position | 0 ~ 63 | 31 | | FIX |
| Up UCG | 0 ~ 3 | 0 | | FIX |
| Lo UCG | 0 ~ 3 | 0 | | FIX |
| CXA Left Blk | 0 ~ 63 | 50 | | FIX |
| CXA Right Blk | 0 ~ 63 | 25 | | FIX |

## 1-2-1(B) VIDEO ADJUST1

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| R Cutoff | 0 ~ 63 | 25 | Variable |
| G Cutoff | 0 ~ 63 | 25 | FIX |
| B Cutoff | 0 ~ 63 | 25 | Variable |
| Color On/Off | 0 ~ 1 | 1 | Variable |
| CB Offset | 0 ~ 63 | 31 | Variable |
| CR Offset | 0 ~ 63 | 31 | Variable |
| R Drive | 0 ~ 63 | 25 | Variable |
| G Drive | 0 ~ 63 | 25 | FIX |
| B Drive | 0 ~ 63 | 25 | Variable |
| Sub Bright | 0 ~ 63 | 15 | Variable |
| Sub Contrast | 0 ~ 15 | 8 | Variable |
| Sub Color | 0 ~ 23 | 3 | FIX |
| Sut Tint | 0 ~ 63 | 31 | FIX |
| CTI Level | 0 ~ 3 | 1 | FIX |
| COL Axis | 0 ~ 3 | 1 | FIX |
| LTI Level | 0 ~ 3 | 1 | FIX |
| VSU | 0 ~ 15 | 2 | FIX |
| Melody Volume | 0 ~ 20 | 7 | FIX |
| LIT Mode | 0 ~ 3 | 1 | FIX |
| System | 0 ~ 3 | 1 | FIX |

### 1-2-1(C) VIDEO ADJUST2

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| ABL Level | 0 ~ 3 | 3 | FIX |
| Gamma | 0 ~ 3 | 1 | FIX |
| DPIC Level | 0 ~ 3 | 2 | - |
| DC Trans | 0 ~ 3 | 3 | FIX |
| ABL TH | 0 ~ 15 | 15 | FIX |
| VM Level | 0 ~ 3 | 1 | - |
| VM Corint | 0 ~ 15 | 0 | FIX |
| VM f0 | 0 ~ 3 | 1 | FIX |
| VM Limit | 0 ~ 3 | 1 | FIX |
| VM Delay | 0 ~ 3 | 1 | FIX |
| SHP CD | 0 ~ 3 | 0 | FIX |
| SHP f0 | 0 / 1 | 1 | FIX |
| SHP f1 & P/O | - | 11 | FIX |
| AKB Time | 0 ~ 63 | 13 | FIX |
| BandPass 9407 | - | 24 | - |
| HighPass 9407 | - | 40 | - |
| S ABL | 0 ~ 3 | 0 | FIX |
| P ABL | 0 ~ 15 | 15 | FIX |

**1-2-1(D) VIDEO ADJUST3**

| Item | Range | Initial Data | | Remark |
|---|---|---|---|---|
| | | 4:3 | Wide | |
| H Comp | 0 ~ 15 | 8 | 13 | FIX |
| V Comp | 0 ~ 15 | 5 | 12 | |
| Pin Comp | 0 ~ 7 | 0 | | |
| AFC Comp | 0 ~ 7 | 0 | | |
| H-Sync Phase | 0 / 1 | 0 | | |
| NR Off Value | 0 ~ 9 | 6 | | |
| CG HAO | 0 ~ 20 | 10 | | |
| CG VAO | 0 ~ 20 | 15 | | |
| NR High Ref | 0 ~127 | 40 | | |
| NR Low Ref | 0 ~127 | 3 | | |
| NR High Value | 0 ~255 | 17 | | |
| NR Low Value | 0 ~255 | 51 | | |
| NR Hight Ref(S) | 0 ~127 | 20 | | |
| NR Low Ref(s) | 0 ~127 | 0 | | |
| NR High Value(S) | 0 ~255 | 17 | | |
| NR Low Value(S) | 0 ~255 | 51 | | |
| NR Read M/S | 0/27 | 0 0 | | |

### 1-2-1(E) VIDEO ADJUST4

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| SECAM Color Main | 0 ~255 | 28 | FIX |
| SECAM Color Pip | 0 ~255 | 28 | |
| Picture Limit | 0 ~ 3 | 3 | |
| OSD Contrast | 0 ~ 15 | 10 | |
| TTX Contrast | 0 ~ 15 | 3 | |

### 1-2-1(F) OPTION

| Item | Setting Data | Appliance | | Remark |
|---|---|---|---|---|
| | | CW | CS | |
| SYSTEM | CS/CW | CW | CS | Area Option |
| SOUND | A2-NICAM/Dolby-Prologic | Dolby Prlogic | | - |
| ASPECT | WIDE / 4:3 | - | | Inch Option |
| WIDE 4:3 | ON/OFF | - | | Inch Option |
| X-RAY | ON/OFF | ON | | - |
| AUTO FM | ON/OFF | ON | | - |
| PIP | ON/OFF | ON | | - |
| LNA | ON/OFF | ON | | - |
| Letter Box | ON/OFF | ON | | - |
| TTX Lang.Grp | West/East/CIS/Turk&Grk | - | | Area Option |
| AGC | ON/OFF | OFF | | - |
| Natural Zoom | ON/OFF | OFF | | - |

## 1-2-1(G) YC DELAY

| Item | Range |
|---|---|
| P.YC(AV) Delay | 1 |
| S.YC(AV) Delay | -5 |
| N.YC(AV) Delay | 1 |
| P.BG.YC Dealy | 1 |
| P.DK.YC Delay | -2 |
| P.I.YC Delay | 0 |
| P.M.YC Delay | 0 |
| P.N.YC Delay | 0 |
| S.BG.YC Delay | -7 |
| S.DK.YC Delay | -9 |
| S.I.YC Delay | -9 |
| S.M.YC Delay | -7 |
| S.L.YC Delay | -10 |
| N.M.YC Delay | 3 |
| N4.43 YC Delay | -6 |

## 1-2-2 CS MODEL(T_CMDEAC_XXX)

### 1-2-2(A) DEFLECTION

| Item | Range | Initial Data | | | | | | | | | | | | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 42W5 | | 47W1 | | 43T6/43T7 | | 48T6 | | 54T6 | | 62T6 | | |
| | | NTSC | PAL | NTSC | PAL | NTSC | PAL | NTSC | PAL | NTSC | PAL | NTSC | PAL | |
| V Amp | 0 ~ 63 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | Variable |
| V Shift | 0 ~ 63 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | FIX |
| H EW | 0 ~ 63 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | Variable |
| H Shift | 0 ~ 63 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | FIX |
| V Linearity | 0 ~ 15 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | | FIX |
| Upper Linearity | 0 ~ 15 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | FIX |
| Lower Linearity | 0 ~ 15 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | FIX |
| V SC | 0 ~ 15 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | FIX |
| H Parabolra | 0 ~ 63 | 15 | | 15 | | 15 | | 15 | | 15 | | 15 | | FIX |
| Upper Corner | 0 ~ 63 | 33 | | 33 | | 33 | | 33 | | 33 | | 33 | | FIX |
| Lower Corner | 0 ~ 63 | 33 | | 33 | | 33 | | 33 | | 33 | | 33 | | FIX |
| H Trapezium | 0 ~ 63 | 18 | | 18 | | 18 | | 18 | | 18 | | 18 | | FIX |
| Bow | 0 ~ 63 | 31 | | 31 | | 31 | | 31 | | 31 | | 31 | | FIX |
| Angle | 0 ~ 63 | 31 | | 31 | | 31 | | 31 | | 31 | | 31 | | FIX |
| V Position | 0 ~ 63 | 31 | | 31 | | 31 | | 31 | | 31 | | 31 | | FIX |
| Up UCG | 0 ~ 3 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | FIX |
| Lo UCG | 0 ~ 3 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | FIX |
| CXA Left Blk | 0 ~ 63 | 50 | | 50 | | 50 | | 50 | | 50 | | 50 | | FIX |
| CXA Right Blk | 0 ~ 63 | 25 | | 25 | | 25 | | 25 | | 25 | | 25 | | FIX |

## 1-2-2(B) VIDEO ADJUST1

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| R Cutoff | 0 ~ 63 | 20 | Variable |
| G Cutoff | 0 ~ 63 | 20 | Variable |
| B Cutoff | 0 ~ 63 | 20 | Variable |
| Color On/Off | 0 ~ 1 | 1 | FIX |
| CB Offset | 0 ~ 63 | 31 | Variable |
| CR Offset | 0 ~ 63 | 31 | Variable |
| R Drive | 0 ~ 63 | 31 | Variable |
| G Drive | 0 ~ 63 | 31 | Variable |
| B Drive | 0 ~ 63 | 31 | Variable |
| Sub Bright | 0 ~ 63 | 20 | Variable |
| Sub Contrast | 0 ~ 15 | 8 | Variable |
| Sub Color | 0 ~ 23 | 15 | FIX |
| Sut Tint | 0 ~ 63 | 31 | FIX |
| CTI Level | 0 ~ 3 | 1 | FIX |
| COL Axis | 0 ~ 3 | 2 | FIX |
| LTI Level | 0 ~ 3 | 1 | FIX |
| VSU | 0 ~ 15 | 2 | FIX |
| Melody Volume | 0 ~ 20 | 4 | FIX |
| LIT Mode | 0 ~ 3 | 1 | FIX |
| System | 0 ~ 3 | 1 | FIX |

## 1-2-2(C) VIDEO ADJUST2

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| ABL Level | 0 ~ 3 | 3 | FIX |
| Gamma | 0 ~ 3 | 1 | FIX |
| DPIC Level | 0 ~ 3 | 3 | FIX |
| DC Trans | 0 ~ 3 | 2 | FIX |
| ABL TH | 0 ~ 15 | 15 | FIX |
| VM Level | 0 ~ 3 | 2 | FIX |
| VM Coring | 0 ~ 15 | 0 | FIX |
| VM f0 | 0 ~ 3 | 1 | FIX |
| VM Limit | 0 ~ 3 | 1 | FIX |
| VM Delay | 0 ~ 3 | 1 | FIX |
| SHP CD | 0 ~ 3 | 0 | FIX |
| SHP f0 | 0 / 1 | 1 | FIX |
| SHP f1 & P/O | - | 11 | FIX |
| AKB Time | 0 ~ 63 | 13 | FIX |
| BandPass 9407 | - | 24 | FIX |
| HighPass 9407 | - | 40 | FIX |
| S ABL | 0 ~ 3 | 0 | FIX |
| P ABL | 0 ~ 15 | 15 | FIX |

## 1-2-2(D) VIDEO ADJUST3

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| H Comp | 0 ~ 15 | 2 | FIX |
| V Comp | 0 ~ 15 | 4 | |
| Pin Comp | 0 ~ 7 | 3 | |
| AFC Comp | 0 ~ 7 | 0 | |
| H-Sync Phase | 0 / 1 | 0 | |
| NR Off Value | - | 6 | |
| CG HAO | 0 ~ 20 | 10 | |
| CG VAO | 0 ~ 20 | 15 | |
| NR High Ref | 0 ~127 | 40 | |
| NR Low Ref | 0 ~127 | 3 | |
| NR High Value | - | 17 | |
| NR Low Value | - | 51 | |
| NR Hight Ref(S) | 0 ~127 | 20 | |
| NR Low Ref(s) | 0 ~127 | 0 | |
| NR High Value(S) | - | 17 | |
| NR Low Value(S) | - | 51 | |
| NR Read M/S | - | 0 0 | |

## 1-2-2(E) VIDEO ADJUST4

| Item | Range | Initial Data | Remark |
|---|---|---|---|
| SECAM Color Main | 0 ~255 | 28 | FIX |
| SECAM Color Pip | 0 ~255 | 28 | |
| Picture Limit | 0 ~ 3 | 3 | |
| OSD Contrast | 0 ~ 15 | 10 | |
| TTX Contrast | 0 ~ 15 | 3 | |

## 1-2-2(F) OPTION

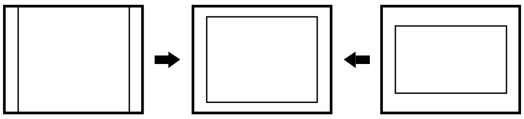
| Item | Setting Data | Appliance (Southeast Asia) | Appliance (CHINA) | Appliance (Middle East) |
|---|---|---|---|---|
| LANGUAGE | ENG+THAI / ENG+CHINA<br>ENG+MIDDLE / ONLY ENG | ONLY ENG<br>ENG+THAI(Thailand) | ENG+CHINA | ENG+MIDDLE |
| SOUNG | A2-NICAM/Virtual Dolby<br>/Dolby Prologic | Dolby Prologic | Dolby Prologic | Dolby Prologic |
| CRT | WIDE / 4:3 | 4:3(Option) | 4:3(Option) | 4:3(Option) |
| CHANNEL | 100-channel / 200-channel<br>/250-chanel | 100-channel | 200-channle | 250-channle |
| X-LAY | OFF / ON | ON | ON | ON |
| TTX | OFF / ON | ON | OFF | ON |
| AUTO FM | OFF / ON | ON | ON | ON |
| PIP | OFF / 2-TUNER | 2-TUNER | 2-TUNER | 2-TUNER |
| MULTI PIP | OFF / ON | ON | ON | ON |
| LNA | OFF / ON | ON | ON | ON |
| HIGH DEV | OFF / ON | OFF | OFF | OFF |
| SCART | RCA+1SCART+DVD / RCA+DVD | RCA+1SCART+DVD | RCA+DVD | RCA+1SCART+DVD |
| LETTER BOX | OFF / ON | ON | ON | ON |
| DW PIP | OFF / ON | ON | ON | ON |
| LIST PRIOR | OFF / ON | OFF<br>0N(AUSTRALIA) | OFF | OFF |
| TTX LANG | WEST EUROPE / EAST EUROPE<br>RUSSIAN / GREEK-TURKEY<br>ARABIC / FARSI / AREB-HEBREW | WEST EUROPE | WEST EUROPE | ARABIC |
| AGC | OFF / ON | OFF/0N(Thailand) | OFF | OFF |
| AV MEMORY | OFF / ON | OFF | OFF | OFF |
| AUSTRALIA | OFF / ON | OFF | OFF | OFF |
| CG BRIGHT | OFF/ON | OFF | OFF | OFF |

## 1-2-2(G) YC DELAY

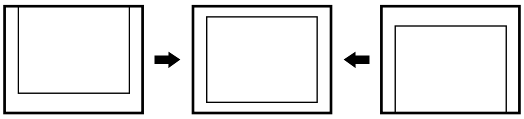
| Item | Range |
|---|---|
| P.YC(AV) Delay | 1 |
| S.YC(AV) Delay | -5 |
| N.YC(AV) Delay | 1 |
| P.BG.YC Dealy | 1 |
| P.DK.YC Delay | -2 |
| P.I.YC Delay | -2 |
| P.M.YC Delay | 0 |
| P.N.YC Delay | 0 |
| S.BG.YC Delay | -7 |
| S.DK.YC Delay | -10 |
| S.I.YC Delay | -9 |
| S.M.YC Delay | -7 |
| S.L.YC Delay | -10 |
| N.M.YC Delay | 3 |
| N.443.YC Delay | -1 |

## 1-3 Screen Change (When Adjusting I$^2$C Bus Geometric Items)

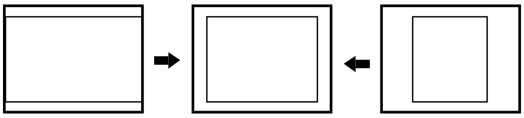
1 V AMP



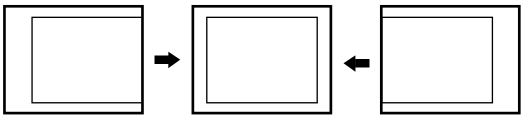
2 V SHIFT



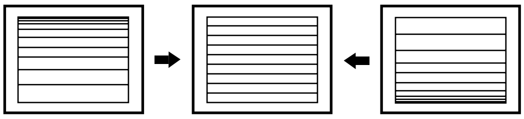
3 H EW



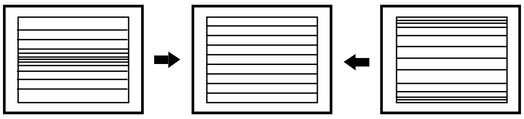
4 H SHIFT



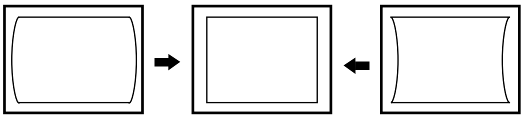
5 V LINEARITY



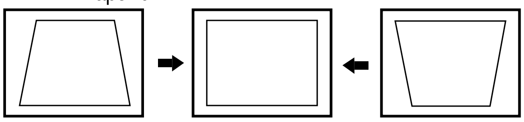
6 V - S - CORRECTION



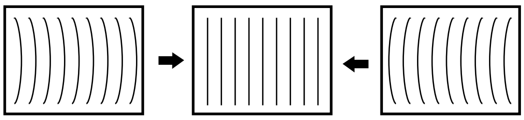
7 H Parabolra



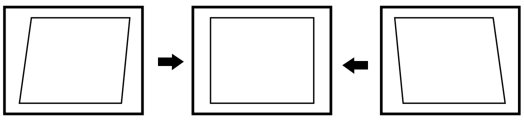
8 H Trapezium



9 BOW



10 ANGLE



# 1-4 Other Adjustments

## 1-4-1 Screen Adjustment

1. Warm up the TV for at least 30 minutes.
2. Select the “DYNAMIC” Video mode.
3. Trun to the Video Mode(No Signal) using a remote-control.
4. Connect an oscilloscope to RK, GK, BK.
5. Adjust the VR (VR501, VR531, VR561) screen so that RK, GK, BK pulse is 20Vp-p each. (Turn the R,G,B VR screen fully counterclockwise in the area of each flyback line.)

## 1-4-2 White Balance Adjustment

1. Select the “DYNAMIC” video mode.
2. Input 100% white pattern.
3. In the stand-by mode, press the remote-control keys in the following sequence:
   Displsy → Menu → Mute → Power ON
4. Warm up the TV for at least 30 minutes.
5. Input a 10-step signal.
6. R-cut off, B-cut off, and G-cut off by pressing the Volume +/- keys.
7. Adjust the low light with viewing the dark side of the screen.
8. Select R-drive, G-drive and B-drive by pressing the Volume +/- keys.
9. Adjust the high light with viewing the light side of the screen.
10. If necessary, redo adjustments 6~9.
11. Press the Menu key to exit.

## 1-4-3 Sub-Brightness Adjustment

1. Input a sub-brightness adjustment signal. (TOSHIBA PATTERN)
2. In the stand-by mode, press the remote-control keys in the following sequence :
   Displsy → Menu → Mute → Power ON
3. Select Sub-Bright by pressing the Volume +/- keys.
4. Adjust so that the 63 step on the right side of the screen is not seen (Use the Volume +/- keys).
5. Press the Menu key to exit.

## 1-4-4 High Voltage (29KV) Check

PRECAUTION

1. Input a lion head pattern.
2. Select “DYNAMIC” video mode.
3. Warm up the TV for at least 10 minutes.
4. Use a 1000:1 probe.

ADJUSTMENT

1. Connect the (+) terminal of the 10000:1 probe to the high voltage distributor and the(-) terminal to GND(located on the deflection board).
2. Adjust RR471S (located on the deflection board) so that the digital meter indicates DC290V ± 0.1V.

## 4-4-5 F.S. (Fail Safe) Circuit Check

Note : The finished product has a well-mounted VR(RR402S).
If necessary, do the F.S adjustments in the following sequece.

1. Use a digital multimeter.
2. Connect the digital multimeter to the JIG pin (DZ482S) terminals.
3. Adjust VR(RR402S) so that the voltage becoms 2.25V.
4. After the adjustments are complete be sure to mount VR(RR402S) correctly.

## 1-4-6 Static Focus Adjustment

PRECAUTION

1. Select the “DYNAMIC” video mode.

2. Input a crosshatch pattern.

3. Cover the lenses that are not being adjusted.

4. Connect a convergence jig and read data.

5. Adjust the lens for best focus.
   (See Fig, 4-1)

STATIC FOCUS (CONTINUED)

Vary the focus pack VR (Red, Blue) on the front cabinet. Adjust the TV for best possible focus around the center of the crosshatch pattern, without losing overall screen balance.
Figure Crosshatch Pattern
Examine these points together.

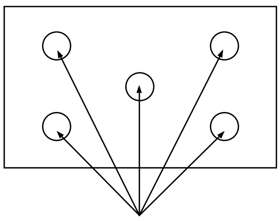



Fig. 4-1 Crosshatch Pattern.

## 1-4-7 Lens Focus Adjustment

PRECAUTIONS

1. Do this adjustment after the static focus adjustment and the tilt adjustment.

2. Select the “DYNAMIC” video mode.
   (Contrast:100, Brightness:50)

3. Input a crosshatch pattern.

ADJUSTMENT

1. Loosen the lens screws.

2. Cover the two lenses that are not being adjusted.

3. Adjust the lens, observing the color aberration vertically and horizontally within 3 blocks of the center of the crosshatch pattern.

4. When the lens is turned clockwise, the color aberration will change as follows:

| Lens | Color Aberration Change |
| --- | --- |
| R | Orange - Crimson |
| G | Blue - Red |
| B | Purple - Green |

5. Green lens adjustment:
   Set the lens at the point where Blue just changes to Red. If the color aberration is irregular throughout the picture screen, adjust the lens to show Red color aberration (approximately 1~3 mm area) within a 3-block grid around the horizontal center-line. If the color aberration is irregular, adjust the lens as shown in the diagram below. (Accurate alignment of Green is important for overall color quality.)

6. Red lens adjustment
   Set the Red lens at the point where Orange becomes Crimson.

7. Blue lens adjustment
   Set the Blue lens at the point where Purple becomes Green.

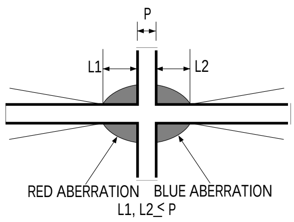
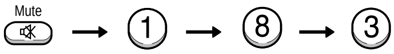


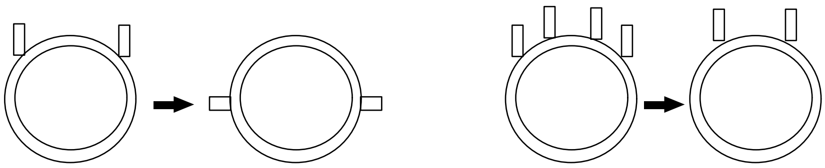

Fig. 4-2 Color Aberration

## 1-5 Beam alignment Adjustments

1. Select the “DYNAMIC” video mode.
2. Warm up the set at least for 10 minutes.
3. Enter the Convergence mode by pressing the remote control buttons in the following sequence :

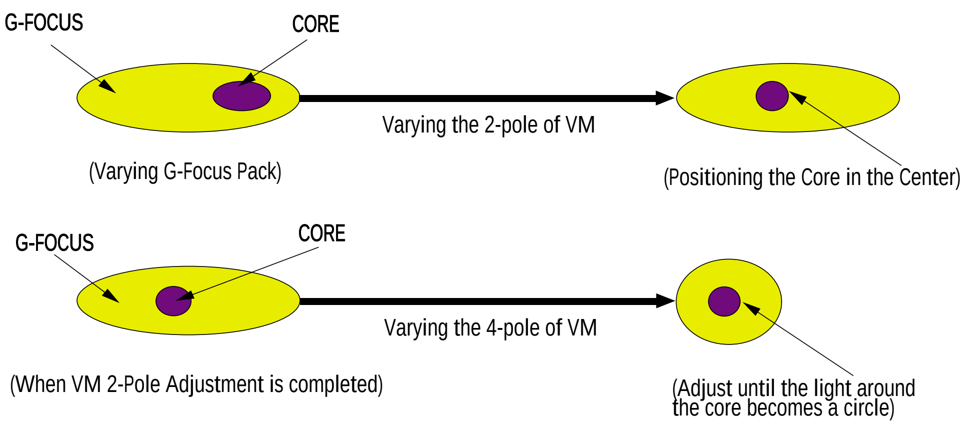



4. Set the Beam Alignment Adjustment CY to Zero magnetic field area.



(Creation of CPM Zero Magnet) (Creation of the 2-pole/4-pole zero magnets)

5. Check the squarewave at the point where the focus is misaligned.
6. Press the (7) button on the remote control during 3~5 sec and vibrating dot-pattern appears.
7. Adjust the Focus-pack VR for defocusing.
8. Mute the other patterns (R/B) other than G-PATTERN.
   (Use (-/--) / (▢) TV buttons on the remote control.)




9. Adjust the 2, 4 polarities of VM-COIL as shown in figure below.
10. Adjust the G-Focus until any light around the core disappears.
11. Adjust G-Focus so that the surrounding flash can disappear from the spot.
12. After G-Focus adjustments are complete, adjust R-Focus as above procedures.
13. The B-CRT adjustments can be omitted because the variance of beam focus is small.
    (Only Vm-coil is mounted.)
14. Adjust the Focus-pack VR for fine focusing.
15. Press the (7) button on the remote control, and the mode changes to the Convergence Adjustment mode.
16. Press the (S.STD) button on the remote control to return to normal viewing.

# 1-6 High Voltage Part

## 1-6-1 PWM REG Circuit

For the existing high voltage REG circuit (input voltage variation type), a dynamic REG response is not provided. So it is difficult for both beam linearity and uniformity in screen size to be maintained on the screen with rapidly changing beams.

A PWM (Pulse Width Modulation) type of high voltage, however, provides the maintenance of beam linearity and uniformity in screen size via a quick response to beam change by performing sync lock every 1H line, and detecting beam fluctuation at 1H line, and then controlling the IC current of high voltage output circuit.

1. High Voltage Fluctuation Detect (DC Detect)

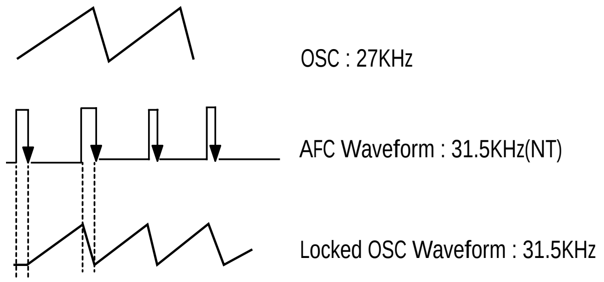
   FBT pin 11 detects DC high voltage fluctuation. The detected DC high voltage value is input to PWM IC471 pin1 through R473, VR471, R471, and then it is input to a differential AMP circuit that differentiates the gap after comparing with the reference voltage input to pin2.

2. High Voltage Fluctuation Detect (AC Detect)

   To check AC high voltage fluctuation, the output from FBT is detected by using a capacitor inside the high voltage distributor. The detection of AC high voltage fluctuation,
   a detection of dynamic beam current change is required in order to keep beam linearity and uniformity in size.
   Regarding the capacitor, a capacity of less than 3000P should be applied to a PWM type. (The existing type needs a capacity of about 6000P.)
   AC detect circuit eliminates unnecessary high frequency by using C476, D472. Also, AC gain is limited to + / - 0.7V (D472). This AC gain is combined with the detection value of DC high voltage fluctuation by using C478.

3. PWM IC OSC Sync Lock

   A PWM type IC needs sync lock for PWM pulse and horizontal scan line.
   The standard time constant of OSC circuit is determined by C487, R475 (PWM IC pins 5 and 6). And the standard OSC frequency is about 27 kHz . The horizontal frequency of scan line is 31.5kHz(NT), 31.25kHz(PAL), so sync lock for this horizontal frequency should be performed using sync lock circuit. The sync lock circuit consists of Q481(Tr KSC815-Y), D479, D478, and C492. The input AFC signal is connected to PWM IC pin 5 through D479 so that it can be negative Trig.

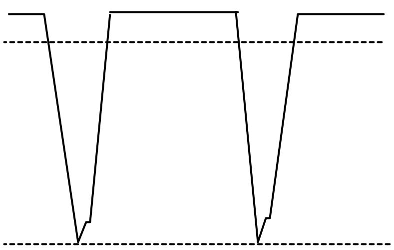



4. Dead Time (HV Protect)

   Dead Time (PWM IN pin4) consists of C481, delays high voltage for a certain time to soft start in power on, a x-ray protection circuit.
   The voltage of Dead Time is detected by FBT pin7 and through DC Feedback. The normal voltage of Dead Time is +27V. When high voltage increases, however, detected voltage is in proportion to high voltage. Then, the detected voltage is applied to ICR01S(TL431).
   If the voltage is over 2.5V (normal:about 2.25V), TL431 turns ON, the base port of QR401S becomes low, and then an emitter current flows. At this time, a high voltage protection point is set. When QR401S turns ON, high voltage is applied to PWM IC pin4 and then muted.

5. Output Circuit

The voltages, which are detected form an error detection circuit of PWM IC (Differential AMP) and Dead Time, each is applied to PWM conparator . Due to these detection coltages, Q1, Q2 (Output TR) parallel operate. Q482 (External TR), however, functions as a buffer; natches inpedance between the output port of PWM IC and the final output TR(IRFS640). The PWM pulse (applied to the final output FET (IRFS640 GATE) varies the IC current of high voltage TR(Q473) by adjusting the load impedance of starage Trans (T431). Due to this variation of current, the gain for Q473 emitter pulse changes T444(FBT)makes this emitter pulse became high voltage. Such change keeps both dynamic and static changes fixed. The output waveform of high valtage TR emitter is as shown in the figure below.



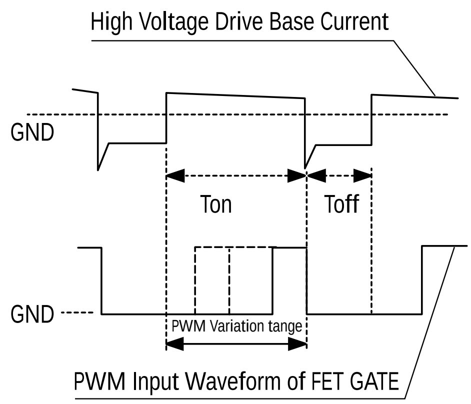

6. Paraneters according to beam

To maintain the  set high voltage value (31kV), parmaters such as +Ve (DC), Vcp High Voltage change (See the table below).

| Factor of high voltage change | Parameters | | | |
|---|---|---|---|---|
| | Width of FET Gate Pulse | + Ve (DC) | Vcp | High Voltage |
| Beam ↓ (High voltage ↑ ) | ↓ | ↑ | ↓ | ↓ |
| Beam ↓ (High voltage ↑ ) | ↑ | ↓ | ↑ | ↑ |

7. Response Waveform

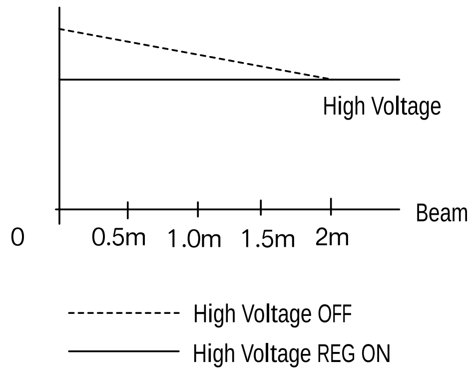
To reduce unstable high voltage fluctuation, the existing high voltage type REG circuit controls dynamic fluctuation by using C-block capacitor. But, it can't detect actual dynamic fluctuation. Also, its velocity of response to static fluctuation is late because +B power supply changes per about 1V. A PWM modulation type REG detects static, dynamic high voltage fluctuation for only Ton Time (when the current of the output TR collector flows) each 1H, and modulates the width of PWM pulse. So, this PWM type has better improvement in the characteristic of high voltage REG as compared to the existing type.

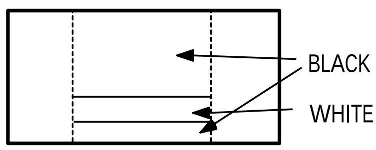



8. Application Effects

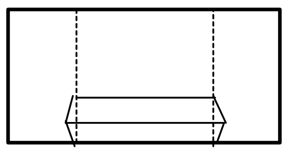
1) Improvement of horizontal size fluctuation
2) Linearity improved
3) Embodiment of X-ray protection circuit

The figures below show characteristics when a PWM high voltage REG circuit is applied.




PWM type



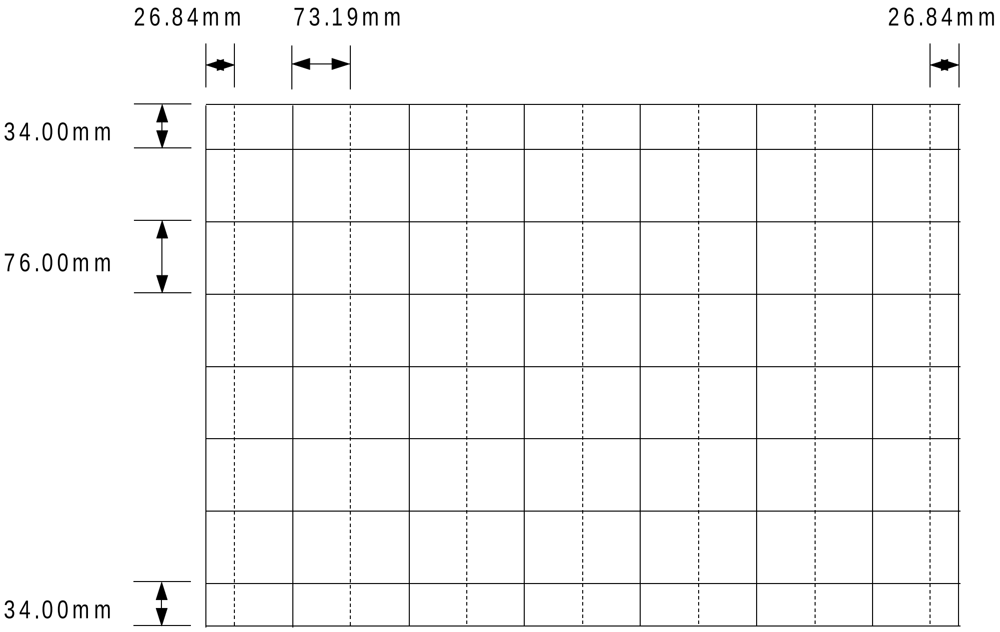
Existing type

When a Toshiba Pattern is recrived, the screen is displayed as shown in figute side

# 1-6 SCREEN-JIG

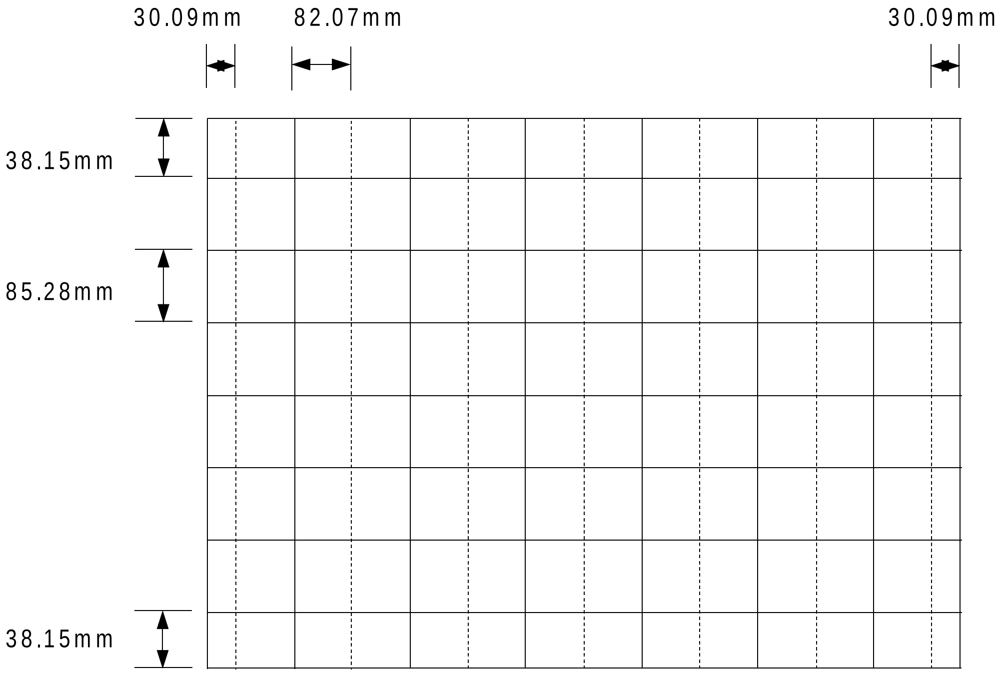
## 1-6-1 42W5

42W5 Screen Size : X 932, Y 524 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



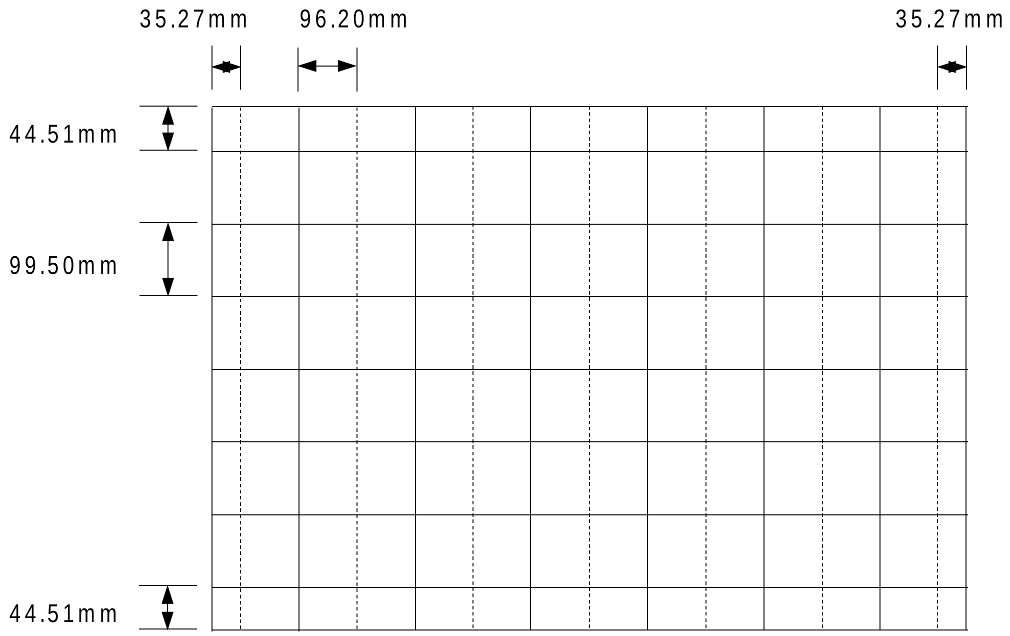

## 1-6-2 47W3

47W3 Screen Size : X 1045, Y 588 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



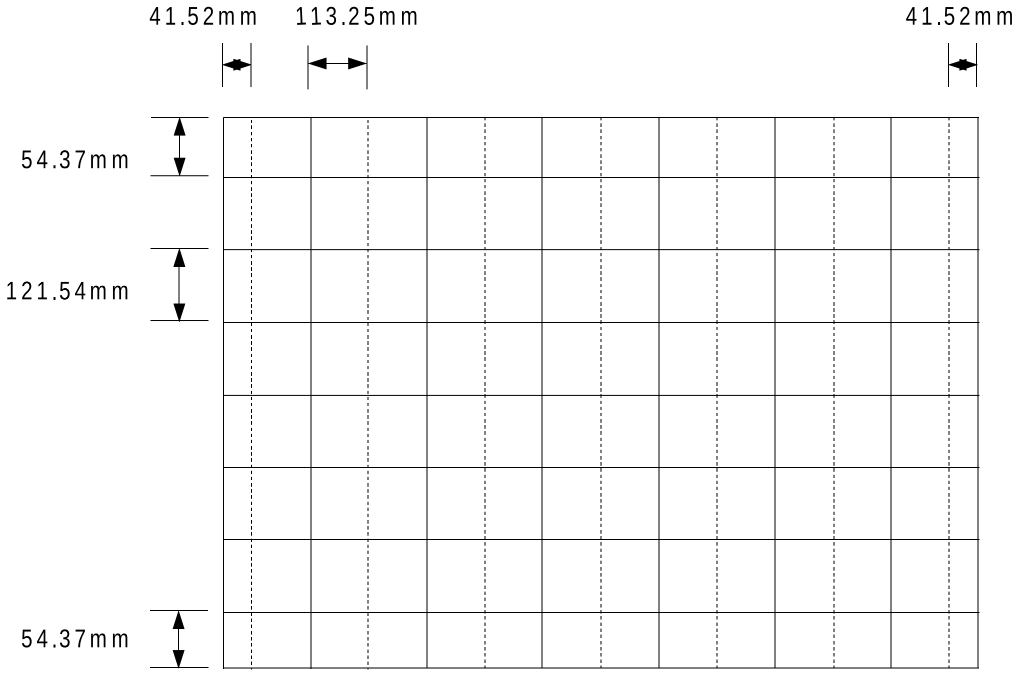
## 1-6-3 55W3

55W3 Screen Size : X 1225, Y 686 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



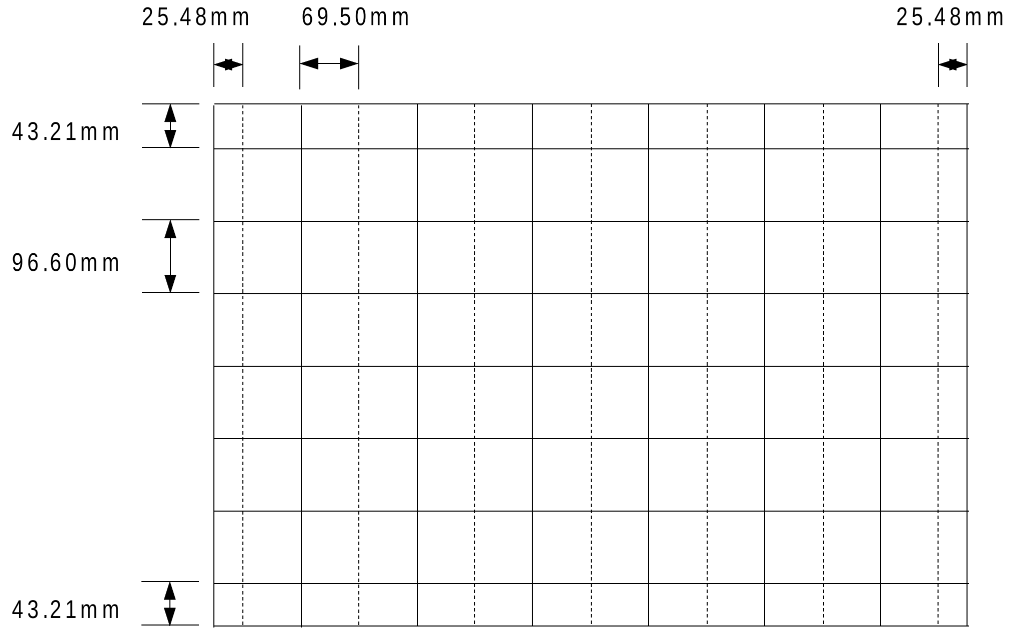

## 1-6-4 65W3

65W3 Screen Size : X 1442, Y 838 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



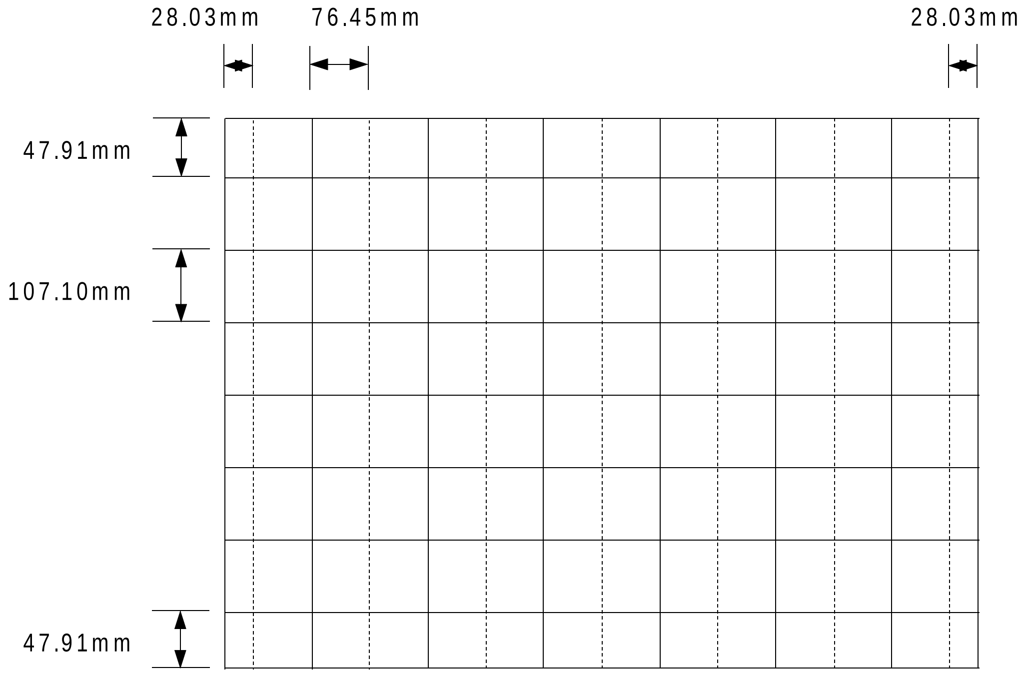
### 1-6-5 43T6/43T7

43T6 Screen Size : X 885, Y 666 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



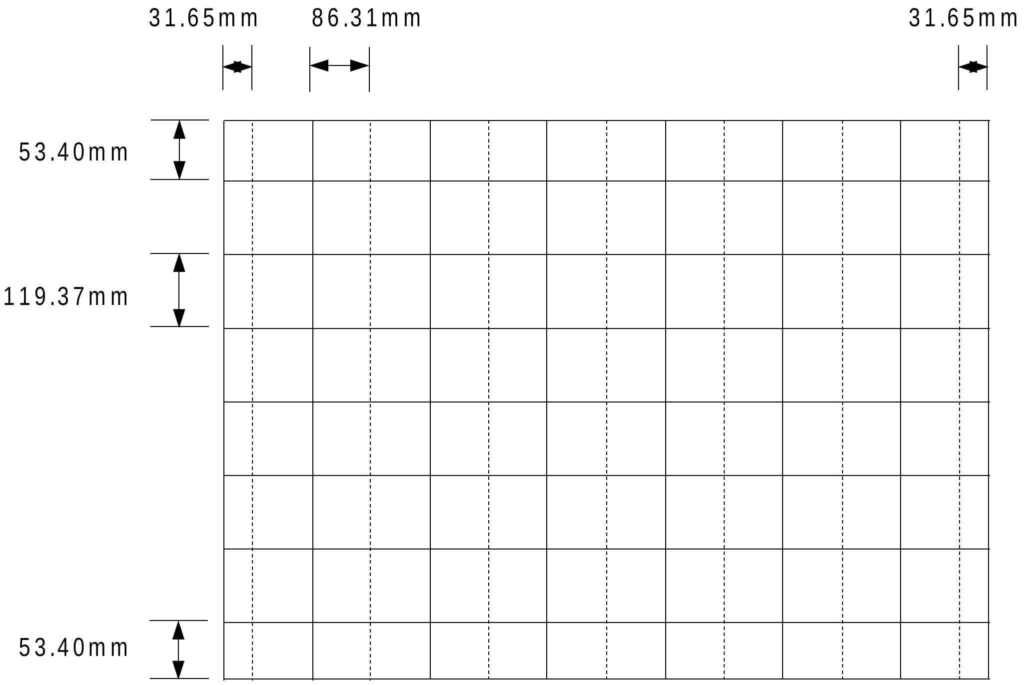

### 1-6-6 48T6

48T6 Screen Size : X 973.4  Y 738.4 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



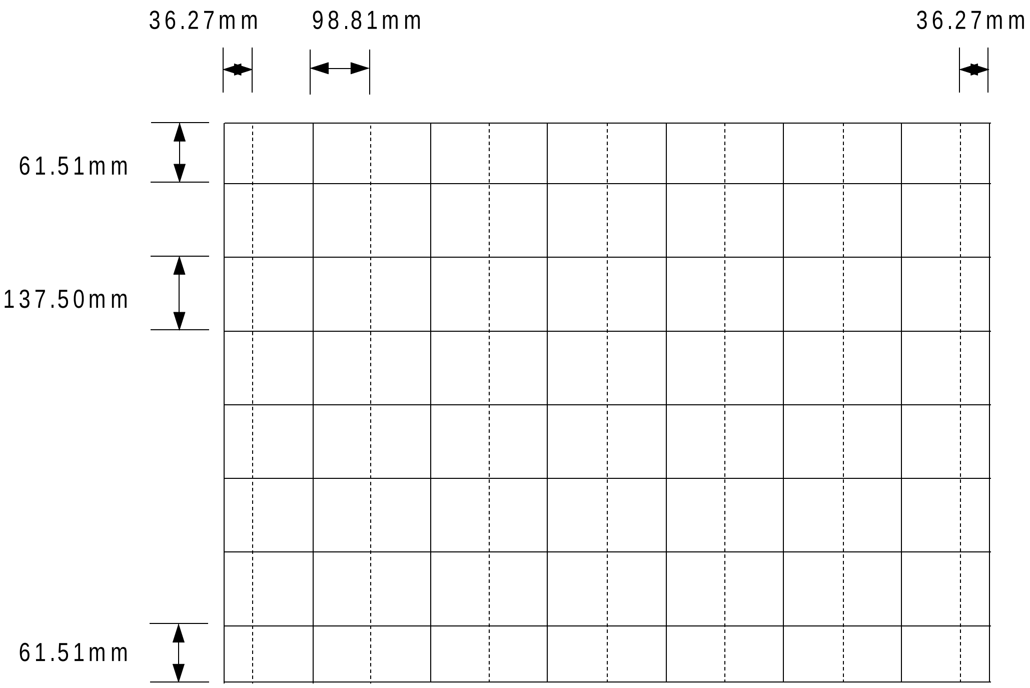
## 1-6-7 54T6

54T6 Screen Size : X 1099  Y 823 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE

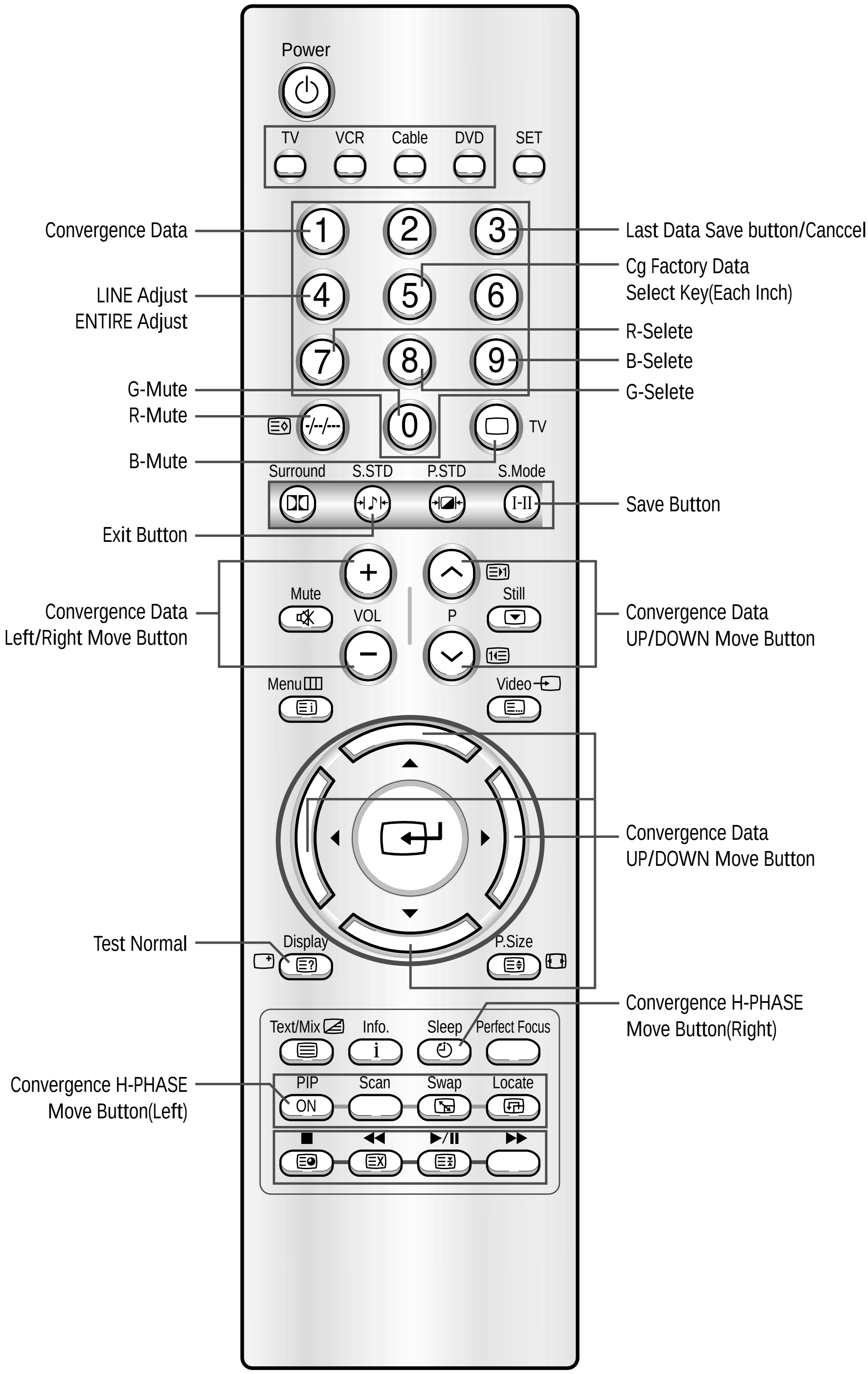



## 1-6-8 62T6

62T6 Screen Size : X 1259.4, Y 948 (X:764 = 22 x 2 + 60 x 12, Y:262 = 17 x 2 + 38 x 6)-PAL MODE



## 1-7 Remote Control for Servicing(Convergence Mode)



## 1-7-1 KEY Function

1. R-SELECT ⑦
   Press to select RED color.

2. G-SELECT ⑧
   Press to select GREEN color.

3. B-SELECT ⑨
   Press to select BLUE color.

4. R-MUTE -/--
   Press to mute RED color.

5. G-MUTE ⓪
   Press to mute GREEN color.

6. B-MUTE TV
   Press to mute BLUE color.

7. CANCEL KEY ③
   Press to revert to the previous data during the Convergence Adjustment.

8. TEST / NORMAL Display
   Press to check TV mode in the Convergence Mode.

9. LINE SHIFT ④
   Press to move a line up / down or left / right.

10. FACTORY DATA SELECT BUTTON ②
    Press to call the factory default values.

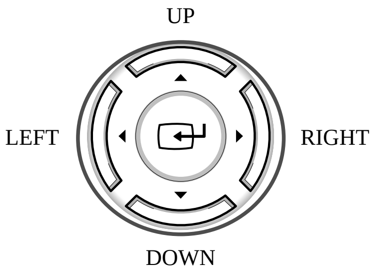
11. SAVE BUTTON S.Mode I-II
    After the Convergence Adjustments are completed, press to save data.

12. EXIT BUTTON S.STD
    After the Convergence adjustments are completed, press to exit to TV mode.

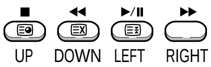
13. CURSOR MOVE BUTTON

Press to move the cursor up / down or right / left.

①

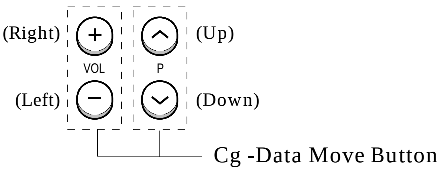



②




③ (Mute) Press to move the cursor left or up.
(Video) Press to move the cursor right or down.
(Menu) Press switch the cursor direction horizontally or vertically.

14. CONVERGENCE PICTURE MOVE BUTTON




15. CONVERGENCE MOVE BUTTON

Press to move the convergence right (  ) or left (  ) .

16. CONVERGENCE DATA ZERO BUTTON 

Press to zero the convergence correction data.

## 17. INITIAL DATA SET BUTTON ②

**Changes when applying Almighty-Cg, Module (How to extract the basic Cg Data)**

| Inch (Type) | Model Name | Basic Data | Screen Display |
|---|---|---|---|
| | Representative Model | Number after entring the Cg-Mode | |
| 42” (42W5) | SP42W5 | 5-425 (Press in regular order) | □□□□<br>□□□□ |
| 47” (47W3) | SP47W3 | 5-473(Press in regular order) | □□□□ |
| 55” (55W3) | SP55W3 | 5-553(Press in regular order) | □□□□□ |
| 43” (43T6 | SP43T6 | 5-436(Press in regular order) | ＋＋＋＋ |
| 43” (43T7) | SP43T7 | 5-437(Press in regular order) | ＋＋＋＋＋ |
| 48” (48T6) | SP48T6 | 5-485(Press in regular order) | ＋＋＋＋＋＋ |
| 54” (54T6) | SP54T6 | 5-545(Press in regular order) | ＋＋＋＋ |
| 62” (62T6) | SP62T6 | 5-625(Press in regular order) | ＋＋＋＋<br>＋＋＋＋ |
| 65”(65W3) | SP65W3 | | |

## 18. Data shift Button (Locate) Press to transmit data(PAL Mode / NTSC Mode).

# 1-8 Convergence Adjustment

## 1-8-1 Convergence Adjustment

NOTE

**Special Notes**

➡ A sensor is attached on the center of each side of the Convergence Mode pattern (see figure below). The sensors are required for normal Perfect Focus function.

➡ Use a screen jig to do the convergence adjustments correctly (Especially, perform correct convergence adjustments on the center of each side where a sensor is located.)

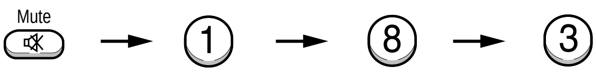
➡ Do the convergence adjustments correctly. Otherwise, any Perfect Focus error can happen.

1. Warm up the TV for a least 30 minutes.

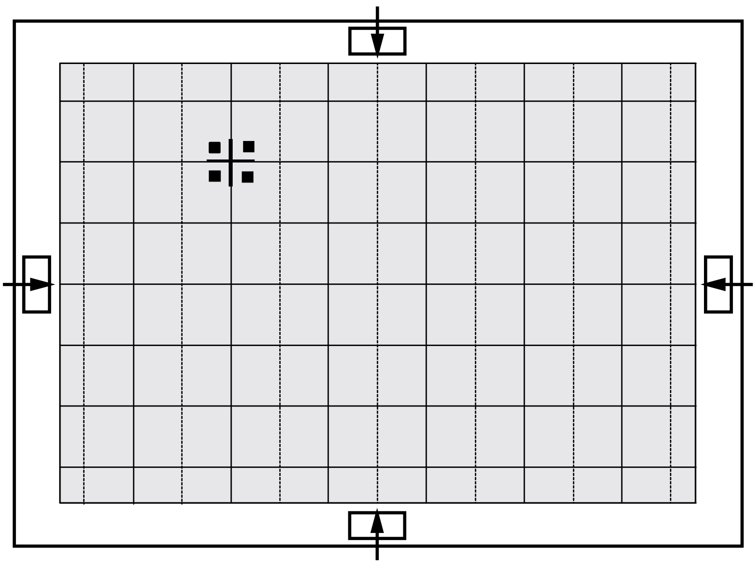
2. Input an PAL Signal.(Use an antenna or AV source.)

NOTE Make sure that deflection yoke are properly adjusted so that the center of Green, Red, Blue pattern is aligned on the center of screen jig.

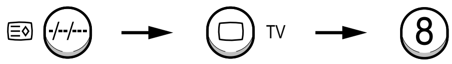
3. Enter the Convergence Mode by Pressing the remote control keys in the following sequence:



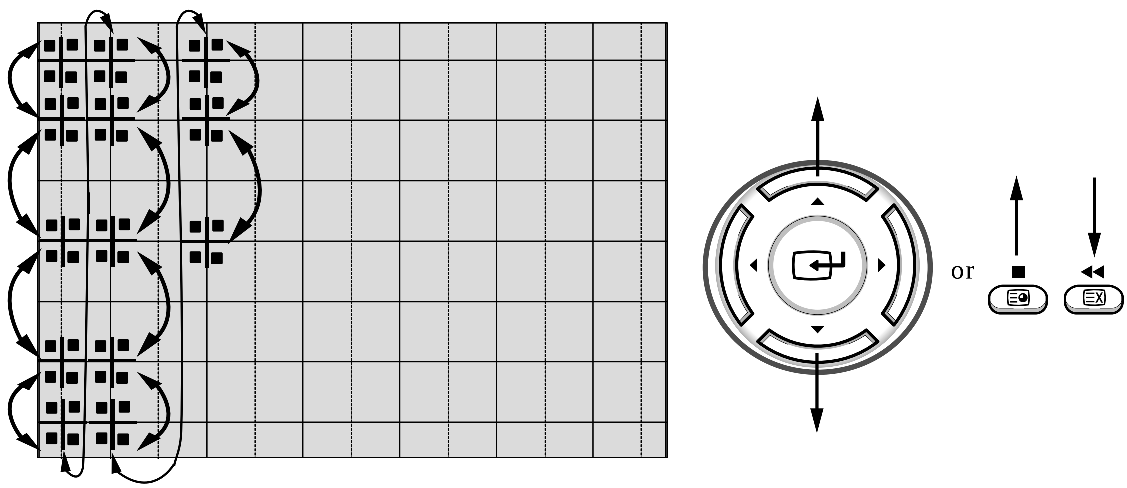

NOTE If OSD displayed as shown in figure below, press the S.STD key to exit. Then, redo step 3 to enter the Convergence Mode. After entering the Convergence Mode, Stand by for about five seconds before doing the adjustments.



4. To adjust GREEN, first press the -/--/--- and the TV keys, and then press the 8 key.

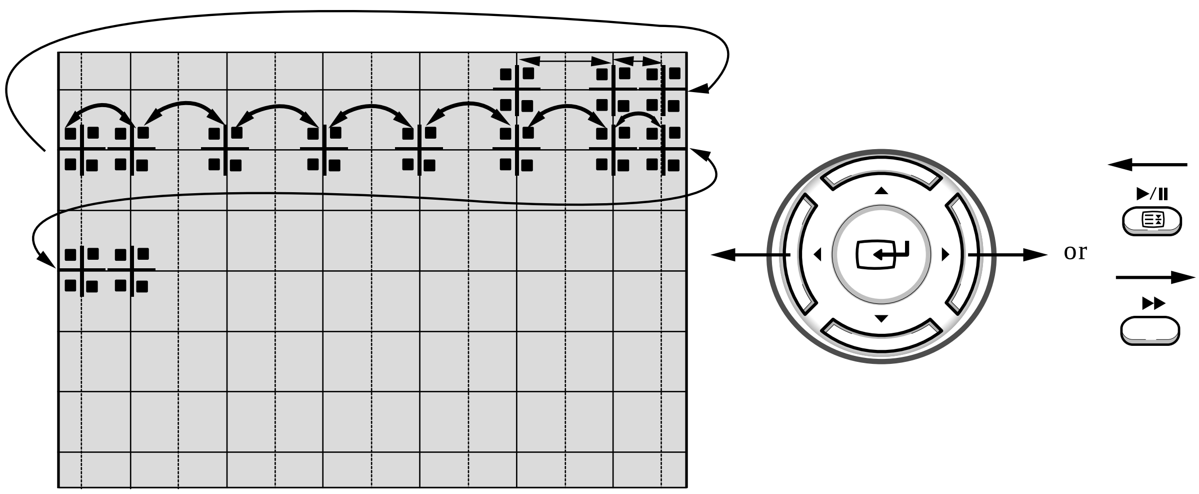



5. The Menu key moves the cursor horizontally or vertically

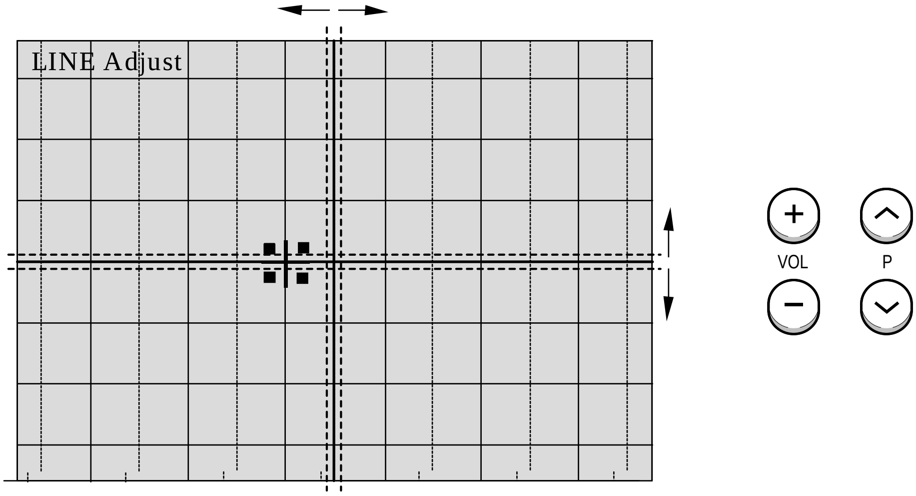



**NOTE** When the Menu key is pressed once again, the cursor moves horizontally.

6. The Mute key moves the cursor right, and the P.Size key moves the cursor left.



7. Use the (4) key for overall balance.

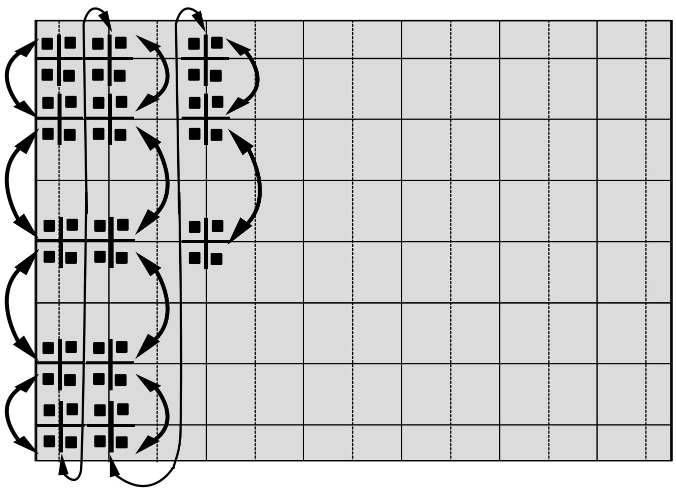



8. After the Line Shift is cancelled by pressing the (4) key, use the Channel and Volume keys (Up/Down /Right/Left) to make big adjustments.

9. After the green convergence adjustments are completed, press the S.Mode (I-II) key to save the data.

10. Superimpose the Red and Green colors by pressing the (-/--/---) and the (7) keys.

11. To adjust RED, redo steps 5~7.



When the cursor moves vertically Menu

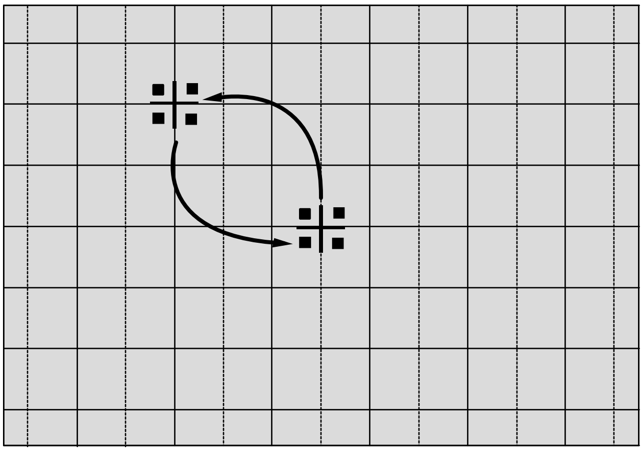
12. To superimpose the blue and green colors, press (1) the -/--/--- key for R-Mute, (2) the TV key to cancel the B-Mute, and (3) the 9 key for B-select.

13. To adjust BLUE, redo steps 5 ~ 7, 13.

14. If any color is not properly adjusted when displaying the red, blue and green colors, readjust the color.

15. After the color adjustments are completed, press the S.Mode I-II key to save the data.

**NOTE** The cursor moves to center, and then automatically moves up and to the left about five seconds later.

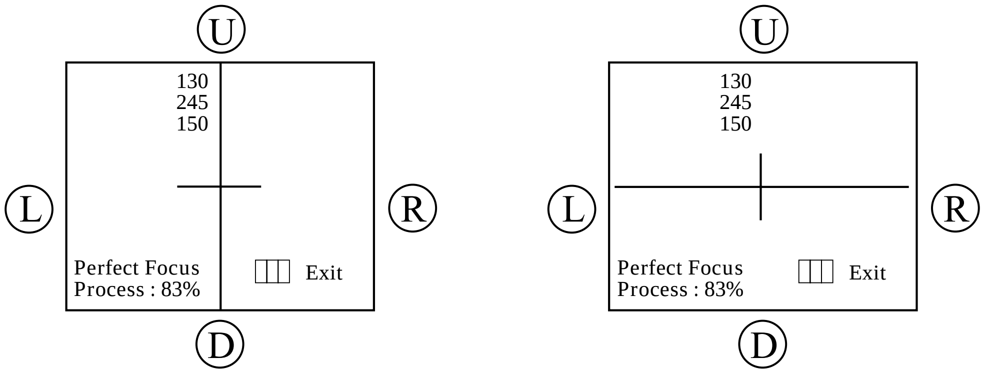


## 1-8-2 Perfect Focus(Factory Mode)

1. After the adjustment is completely saved, press the Perfect Focus key to perform Auto Convergence(Factory Mode). Auto Convergence is performed in the following sequences:

   G → R → B

   Up, Down → Left, Right




   When Auto Convergence is complete, the data is automatically saved and the convergence pattern reverts.

**NOTE**

- After Factory Auto Convergence is complete, make sure that the cursor flickers for about 1 second on the center and then it is saved.
- Check the presence of error through the flicker of the cursor.
- When any error happens, be sure to re-do Factory Auto Convergence.
- When Convergence Adjustment is not normally done or the convergence center is misaligned with the sensing point, any adjustment error happens. Therefore, be sure to use a screen jig to correctly adjust during troubleshooting.

2. After the Convergence Adjustments are completed, press the S.STD key to exit.

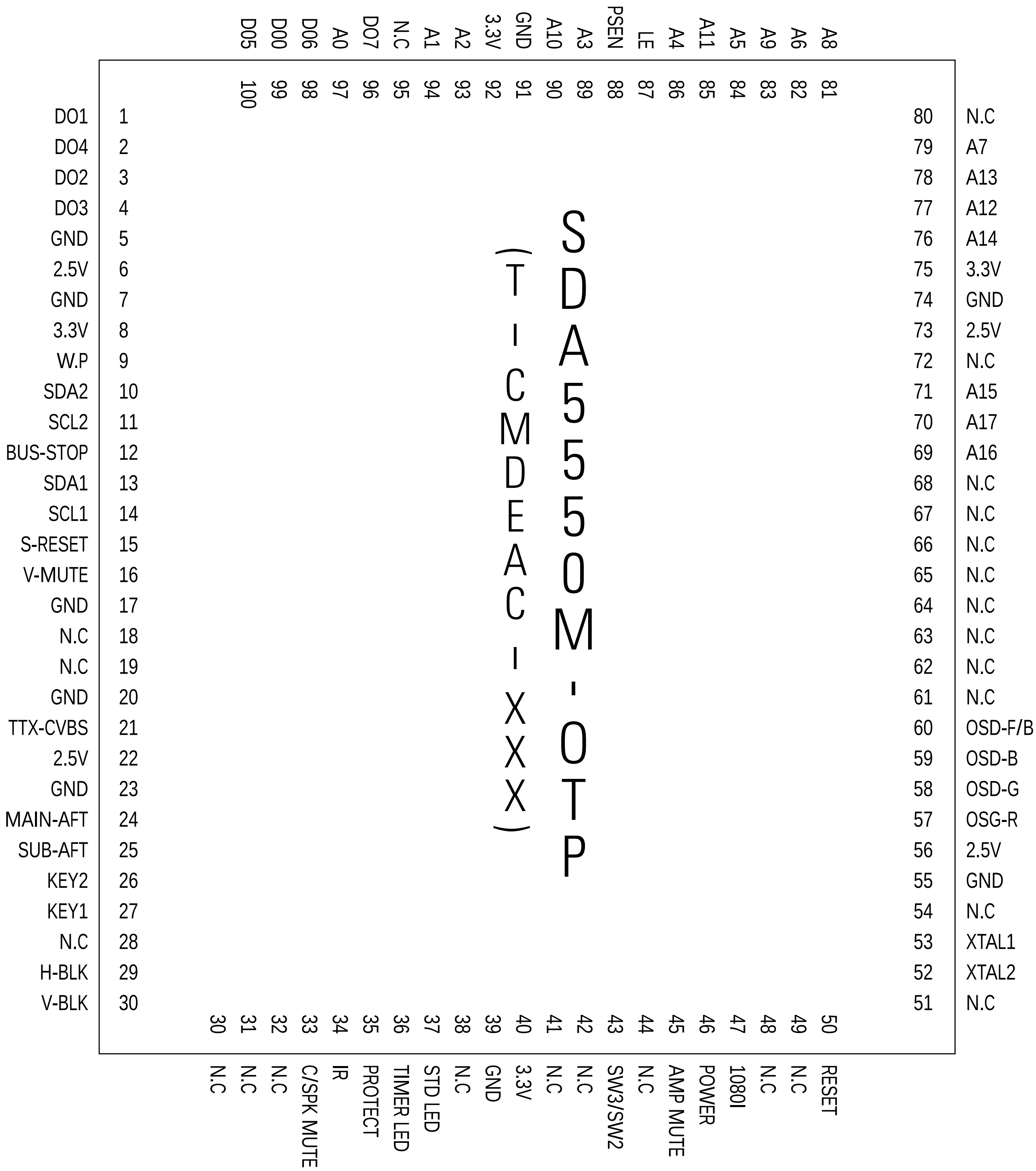
## 1-9 MICOM and Pins Voltage

### 1-9-1 Pin Layout(T_CM2P06_XXX)

SDA6001-B11
(T_CM2P06_XXX)

| Pin | Signal |
|---|---|
| 1 | TCK |
| 2 | TMS |
| 3 | TDI |
| 4 | TDO |
| 5 | C \| SPK \| MUTE |
| 6 | ST5V |
| 7 | AV \| LINK |
| 8 | 5VB |
| 9 | SUB \| SW2 |
| 10 | SUB \| SW1 |
| 11 | MAIN \| SW2 |
| 12 | MAIN \| SW1 |
| 13 | GND |
| 14 | ST3.3A |
| 15 | ST3.3B |
| 16 | ST3.3B |
| 17 | A19 |
| 18 | A18 |
| 19 | A17 |
| 20 | GND |
| 21 | ST2.5B |
| 22 | A16 |
| 23 | A8 |
| 24 | A7 |
| 25 | A9 |
| 26 | A6 |
| 27 | A5 |
| 28 | A10 |
| 29 | A11 |
| 30 | A12 |
| 31 | GND |
| 32 | ST3.3B |
| 33 | A4 |
| 34 | A3 |
| 35 | A2 |
| 36 | A1 |
| 37 | A0 |
| 38 | A13 |
| 39 | A14/RAS |
| 40 | A15/CAS |
| 41 | GND |
| 42 | ST3.3B |
| 43 | CLKSDRAM |
| 44 | CSSDRAM |
| 45 | CLKEN |
| 46 | CSROM |
| 47 | RD |
| 48 | UDQM |
| 49 | LDQM |
| 50 | WR |
| 51 | D15 |
| 52 | GND |
| 53 | ST3.3B |
| 54 | D7 |
| 55 | D0 |
| 56 | D14 |
| 57 | D8 |
| 58 | D6 |
| 59 | D1 |
| 60 | GND |
| 61 | ST3.3B |
| 62 | D13 |
| 63 | D9 |
| 64 | D5 |
| 65 | D2 |
| 66 | D12 |
| 67 | D10 |
| 68 | GND |
| 69 | ST3.3B |
| 70 | D4 |
| 71 | D3 |
| 72 | D11 |
| 73 | RESET |
| 74 | SCL2 |
| 75 | SDA2 |
| 76 | IR |
| 77 | COMP \| SW |
| 78 | ST5V |
| 79 | PROTECT |
| 80 | WP |
| 81 | S \| RESET |
| 82 | AMP \| MUTE |
| 83 | DEFL \| SW |
| 84 | GND |
| 85 | ST3.3A |
| 86 | GND |
| 87 | ST2.5B |
| 88 | TXD |
| 89 | RXD |
| 90 | LED1 |
| 91 | LED2 |
| 92 | STOP |
| 93 | N.C |
| 94 | N.C |
| 95 | T1 |
| 96 | T3 |
| 97 | 1080i-SW |
| 98 | SCL1 |
| 99 | SDA1 |
| 100 | SCAN-RST |
| 101 | N.C |
| 102 | VS2 |
| 103 | HS2 |
| 104 | N.C |
| 105 | OSD-YS/YM |
| 106 | ST3.3A |
| 107 | GND |
| 108 | XTAL1 |
| 109 | XTAL2 |
| 110 | GND |
| 111 | ST2.5A |
| 112 | OSD-R |
| 113 | OSD-G |
| 114 | OSD-B |
| 115 | GND |
| 116 | ST2.5A |
| 117 | GND |
| 118 | GNA |
| 119 | ST2.5A |
| 120 | GND |
| 121 | TTX-CVBS |
| 122 | GND |
| 123 | ST2.5A |
| 124 | KEYS1 |
| 125 | KEYS2 |
| 126 | MAIN-AFT |
| 127 | SUB-AFT |
| 128 | GND |

## 1-9-2 Pin Layout(T_CMDEAC_XXX)



## 1-9-3 MICOM MODULE Pins

| PIN NO. | ITEM | FUNCTION | OUT VOLT |
|---|---|---|---|
| 1 | KEY 1 | KEY SCAN1 | 2.28[V] |
| 2 | PROTECT | PROTECT PORT | 0.83[mV] |
| 3 | KEY 2 | KEY SCAN2 | 2.25[V] |
| 4 | GND | GND | - |
| 5 | N.C | N.C | - |
| 6 | STB-5(V) | VCC | 4.91[V] |
| 7 | IR IN | REMOCON INPUT | 3.74[V] |
| 8 | POWER | POWER ON/OFF RELAY CONTROL | 1.03[V] |
| 9 | TIMER-LED | TIMER LED | 2.07[V] |
| 10 | N.C | N.C | - |
| 11 | GND | GND | - |
| 12 | V-RESET | VIDEO RESET | 2.84[mV] |
| 13 | SCL1 | SERIAL CLOCK LINE1 | 3.43[V] |
| 14 | GND | GND | - |
| 15 | SDA1 | SEREAL DATA LINE1 | 3.49[V] |
| 16 | S-RESET | SOUND RESET | 4.21[V] |
| 17 | ST-BY-LED | STAND-BY LED | 2.95[V] |
| 18 | RESET | RESET | 2.47[V] |
| 19 | AMP-MUTE | SOUND AMP MUTE | 0.89[mV] |
| 20 | N.C | N.C | - |
| 21 | GND | GND | - |
| 22 | N.C | N.C | - |
| 23 | SCL2 | SERIAL CLOCK LINE2 | 3.27[V] |
| 24 | C-SPK MUTE | CENTER SPEAKER MUTE | 3.26[V] |
| 25 | SDA2 | SERIAL DATA LINE2 | 3.27[V] |
| 26 | SW3 | SW3(CONTROL) | 5[mV] |
| 27 | GND | GND | - |
| 28 | SW2 | SW2(CONTROL) | 2.08[V] |
| 29 | SUB-AFT | SUB TUNER AFT CONTROL | 2.57[V] |
| 30 | GND | GND | - |
| 31 | MAIN-AFT | MAIN TUNER AFT CONTROL | 1.04[V] |
| 32 | BUS-STOP | IIC BUS STOP | 3.27[V] |

| PIN NO. | ITEM | FUNCTION | OUT VOLT |
|---|---|---|---|
| 33 | 5[V] | 5[V] | 4.96[V] |
| 34 | H-BLANK | HORIZONTAL BLANK | 215.8[mV] |
| 35 | GND | GND | - |
| 36 | V-BLANK | VERTICAL BLANK | -12.10[mV] |
| 37 | N.C | N.C | - |
| 38 | GND | GND | - |
| 39 | GND | GND | - |
| 40 | N.C | N.C | - |
| 41 | VS1 | VERTICAL SYNC | - |
| 42 | N.C | N.C | - |
| 43 | HS1 | HORIZONTAL SYNC | 215.51[mV] |
| 44 | N.C | N.C | - |
| 45 | GND | GND | - |
| 46 | N.C | N.C | - |
| 47 | TTX-CVBS | TTX/CAPTION-CVBS | 1.19[V] |
| 48 | GND | GND | - |
| 49 | GND | GND | - |
| 50 | N.C | N.C | - |
| 51 | AN-LINK | NOT USE | - |
| 52 | N.C | N.C | - |
| 53 | GND | GND | - |
| 54 | N.C | N.C | - |
| 55 | N.C | N.C | - |
| 56 | GND | GND | - |
| 57 | N.C | N.C | - |
| 58 | OSD-TTX-R | ON SCREEN DISPLAY RED | 168[mV] |
| 59 | GND | GND | - |
| 60 | OSD-TTX-G | ON SCREEN DISPLAY GREEN | 0.46[V] |
| 61 | WP | WRITE PROTECT | - |
| 62 | OSD-TTX-B | ON SCREEN DISPLAY BLUE | 0.46[V] |
| 63 | 3.3[V] | 3.3[V] | 3.26[V] |
| 64 | OSD-TTX-FB | OSD/TTX-FB | 7.31[mV] |

## 1-9-4 PROSCAN MODULE Pins

| PIN NO. | ITEM | FUNCTION | OUT VOLT |
|---|---|---|---|
| 1 | EW | EAST WEST OUT | 2.26[V] |
| 2 | V-BLK | VERTICAL BLANK | -12.07[mV] |
| 3 | ABL | ABL(Automatic Brightness Limiter) | 2.26[V] |
| 4 | VD- | VERTICAL DRIVE(-VOLTAGE) | 3.46[V] |
| 5 | VD+ | VERTICAL DRIVE(+VOLTAGE) | 3.53[V[ |
| 6 | H-BLK | HORIZONTAL BLANK | 215.93[mV] |
| 7 | HD | HORIZONTAL DRIVE | 2.38[V] |
| 8 | GND | GND | - |
| 9 | OSD/TTX-FB | OSD/TTX-FB | 7.29[mV] |
| 10 | OSD/TTX-B | ON SCREEN DISPLAY BLUE IN | 0.46[mV] |
| 11 | OSD/TTX-G | ON SCREEN DISPLAY GREEN IN | 0.46[mV] |
| 12 | OSD/TTX-R | ON SCREEN DISPLAY RED IN | 167.99[mV] |
| 13 | V-RESET | VIDEO RESET | 2.94[mV] |
| 14 | GND | GND | - |
| 15 | SCL1 | SERIAL CLOCK LINE | 3.42[V] |
| 16 | SDA1 | SERIAL DATA LINE | 3.50[V] |
| 17 | N.C | N.C | - |
| 18 | COMP | COMP | 27.28[mV] |
| 19 | GND | GND | - |
| 20 | CG-R | CONVERGENCE RED | 0.27[mV] |
| 21 | CG-G | CONVERGENCE GREEN | 0.27[mV] |
| 22 | CG-B | CONVERGENCE BLUE | 0.29[mV] |
| 23 | CG-SYNC | CONVERGENCE SYNC | 180.03[mV] |
| 24 | D/F | DYNAMIC FOCUS | 1.5[V] |
| 25 | GND | GND | - |
| 26 | 9[V] | 9[V] | 9[V] |
| 27 | N.C | N.C | - |
| 28 | N.C | N.C | - |
| 29 | N.C | N.C | - |
| 30 | N.C | N.C | - |
| 31 | GND | GND | - |
| 32 | 13.5[V] | 13.5[V] | 14.05[V] |

| PIN NO. | ITEM | FUNCTION | OUT VOLT |
|---|---|---|---|
| 33 | 5[V]-DW1 | 5[V]-DW1 | 4.97[V] |
| 34 | VM-Y | VM-Y OUTPUT | 1.97[V] |
| 35 | SW3 | SW3(CONTROL) | 4.98[mV] |
| 36 | SW2 | SW2(CONTROL) | 2.08[V] |
| 37 | N.C | N.C | - |
| 38 | GND | GND | - |
| 39 | PIP-C | PIP-C INPUT | 1.20[mV] |
| 40 | PIP-Y CVBS | PIP-Y/CVBS INPUT | 1.33[mV] |
| 41 | GND | GND | - |
| 42 | MAIN-C | MAIN-C INPUT | 1.34[mV] |
| 43 | MAIN-Y CVBS | MAIN-Y/CVBS INPUT | 1.57[mV] |
| 44 | N.C | N.C | - |
| 45 | GND | GND | - |
| 46 | N.C | N.C | - |
| 47 | GND | GND | - |
| 48 | RF2-CVBS | RF2-CVBS | - |
| 49 | DVD-Pr/R | DVD-Pr/R(SCART) | - |
| 50 | DVD-Y/G | DVD-Y/G(SCART) | - |
| 51 | DVD-Pb/B | DVD-Pb/B(SCART) | - |
| 52 | FB | FB(SCART) | - |
| 53 | GND | GND | - |
| 54 | N.C | N.C | - |
| 55 | N.C | N.C | - |
| 56 | N.C | N.C | - |
| 57 | GND | GND | - |
| 58 | DVD-Pr | DVD-Pr | - |
| 59 | DVD-Y | DVD-Y | - |
| 60 | DVD-Pb | DVD-Pb | - |
| 61 | GND | GND | - |
| 62 | 5[V]-DW2 | 5[V]-DW2 | 4.89[V] |
| 63 | N.C | N.C | - |
| 64 | N.C | N.C | - |

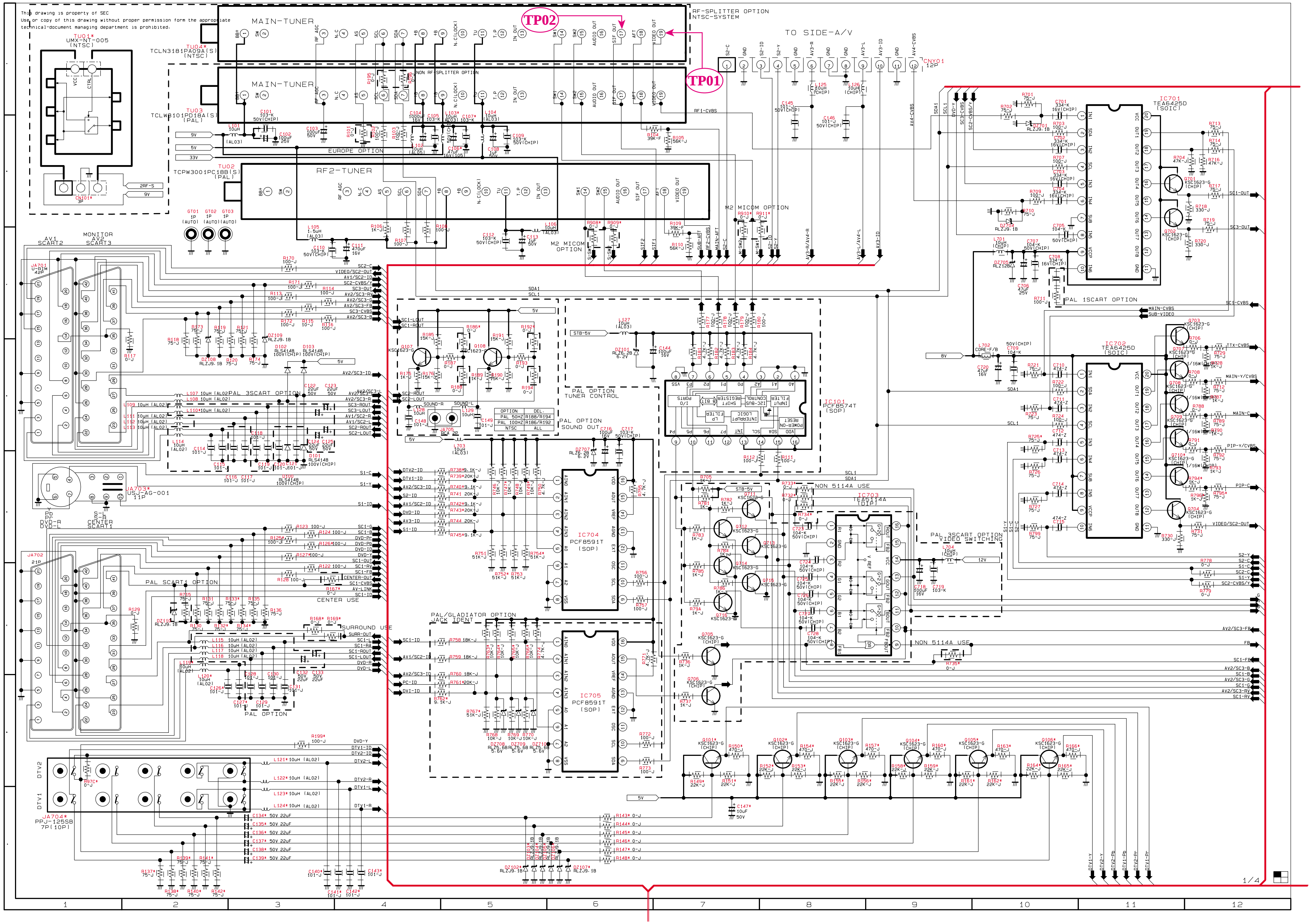
## 1-9-5 CONVERGENCE MODULE Pins

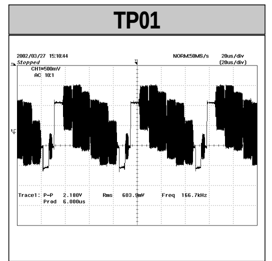
| PIN NO. | ITEM | FUNCTION | OUT VOLT |
|---|---|---|---|
| 1 | 5[V]-CG | 5[V]-CG | 5.2[V] |
| 2 | GND | GND | - |
| 3 | D/F | DYNAMIC FOCUS | 1.5[V] |
| 4 | GND | GND | - |
| 5 | SCL1 | SERIAL CLOCK LINE1 | 3.4[V] |
| 6 | CG-SYNC | CONVERGENCE SYNC | 179[mV] |
| 7 | GND | GND | - |
| 8 | N.C | N.C | 5.2[V] |
| 9 | CG-R | CONVERGENCE RED | 0.27[mV] |
| 10 | CG-G | CONVERGENCE GREEN | 0.26[mV] |
| 11 | CG-B | CONVERGENCE BLUE | 0.29[mV] |
| 12 | SDA1 | SERIAL DATA LINE1 | 3.5[V] |
| 13 | N.C | N.C | - |
| 14 | IR | INPUT REMOCON | 3.7[V] |
| 15 | N.C | N.C | - |
| 16 | GND | GND | - |
| 17 | GND | GND | - |
| 18 | GND | GND | - |
| 19 | BV | BLUE VERTICAL OUT | 34.27[mV] |
| 20 | BH | BLUE HORIZONTAL OUT | -107.32[mV] |
| 21 | GV | GREEN VERTICAL OUT | 101.52[mV] |
| 22 | GH | GREEN HORIZONTAL OUT | -15.83[mV] |
| 23 | RV | RED VERTICAL OUT | 104.32[mV] |
| 24 | RH | RED HORIZONTAL OUT | -88.95[mV] |
| 25 | GND | GND | - |
| 26 | H-BLK | HORIZONTAL BLANK | 275[mV] |
| 27 | V-BLK | VERTICAL BLANK | -13.22[mV] |
| 28 | GND | GND | - |
| 29 | N.C | N.C | - |
| 30 | -5[V] | -5[V] | -4.99[V] |
| 31 | 5[V] | 5[V] | 5.24[V] |
| 32 | GND | GND | - |

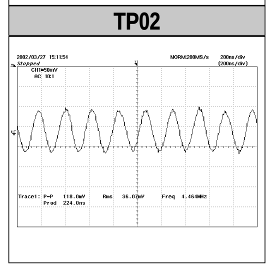
# MEMO

# 5. Schematic Diagrams

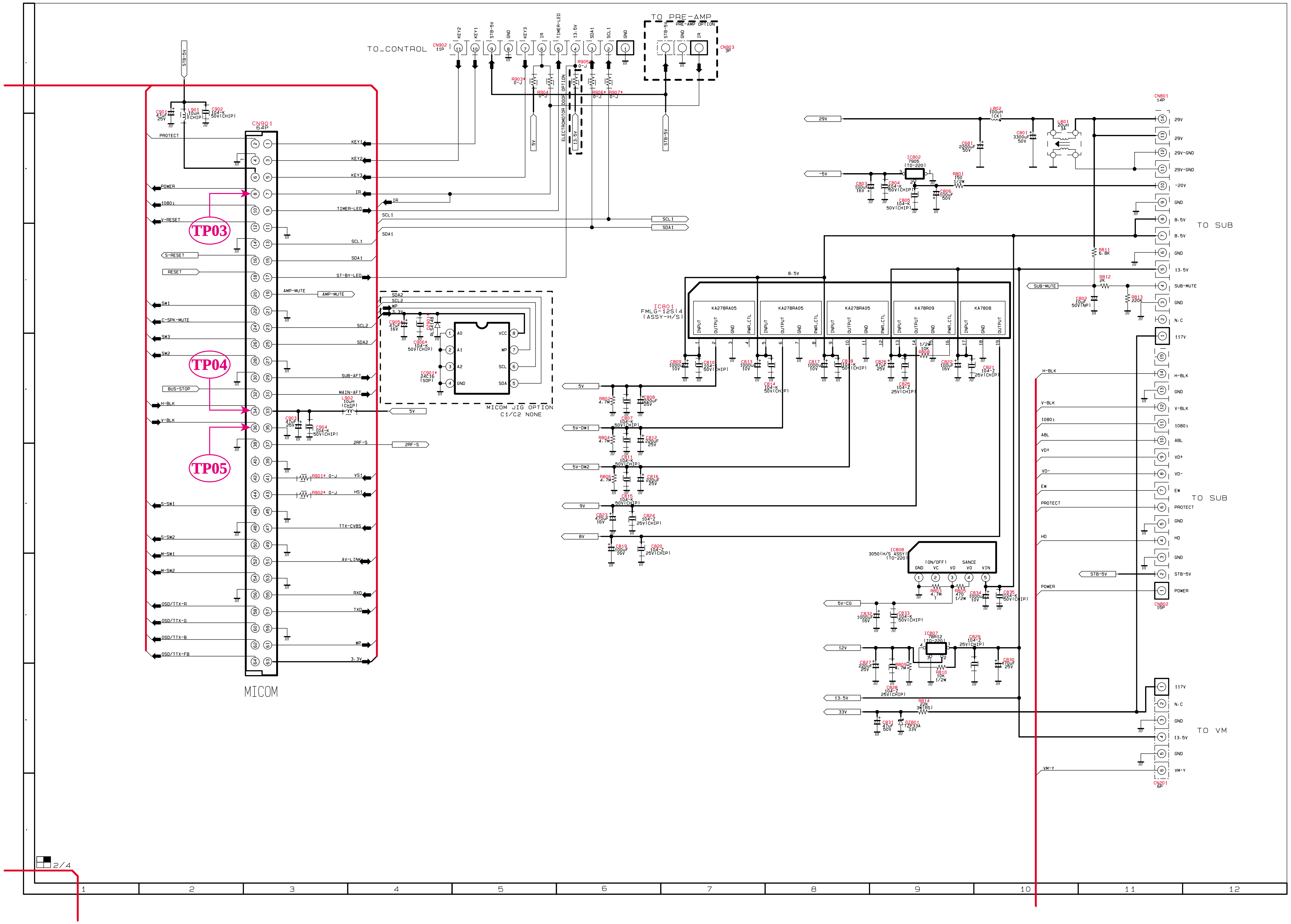
## 5-1 MAIN 1



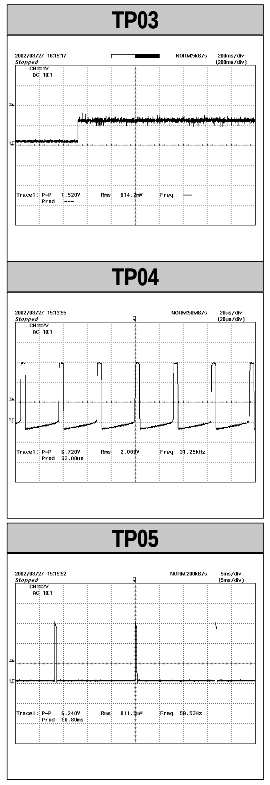



## 5-2 MAIN 2

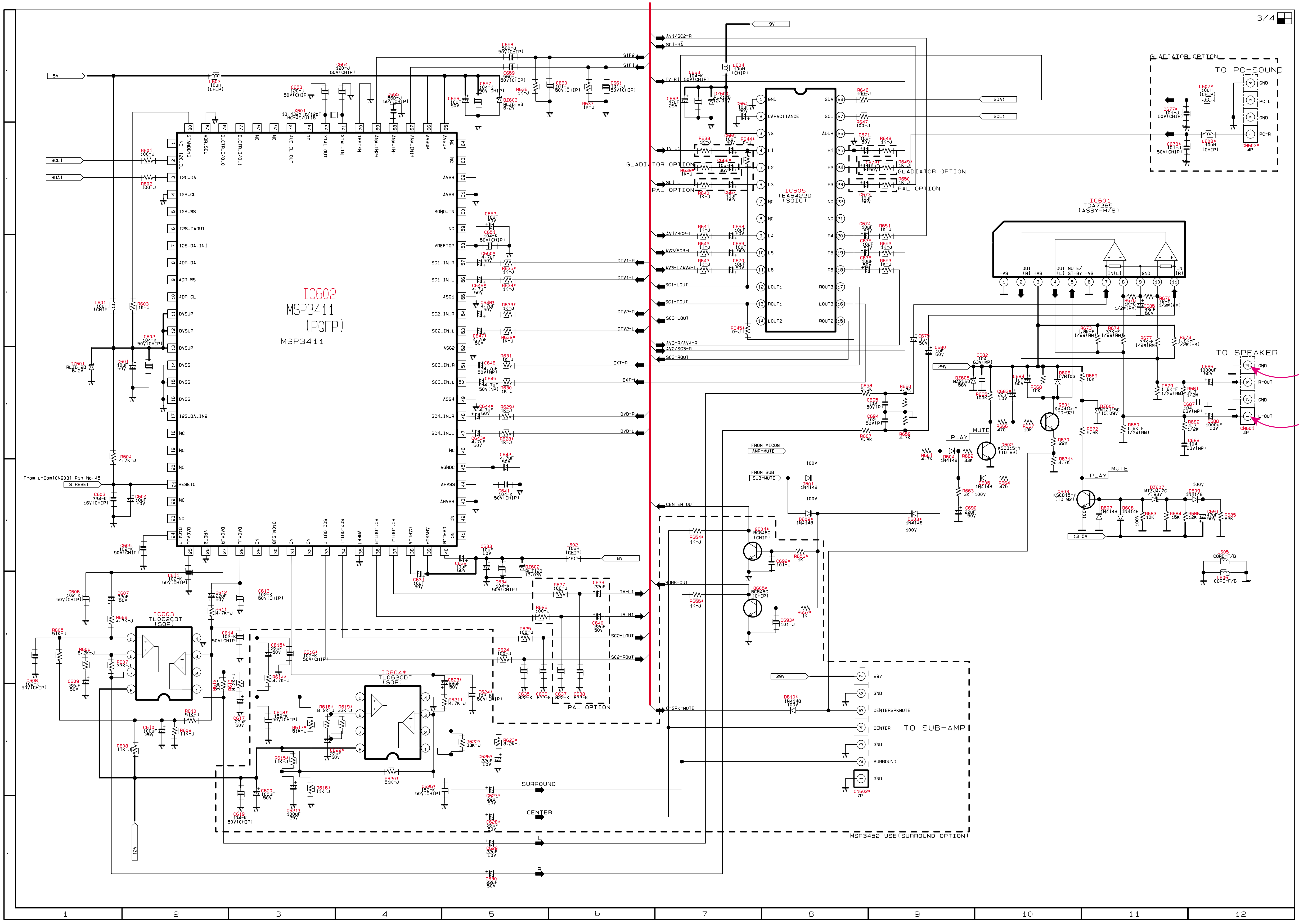


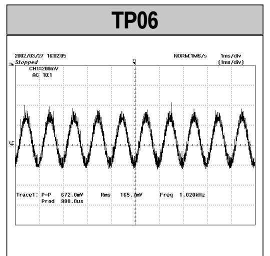
TO_CONTROL
TO PRE-AMP
MICOM
TP03
TP04
TP05
MICOM JIG OPTION
C1/C2 NONE
TO SUB
TO SUB
TO VM

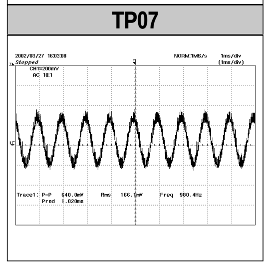



TP03
TP04
TP05

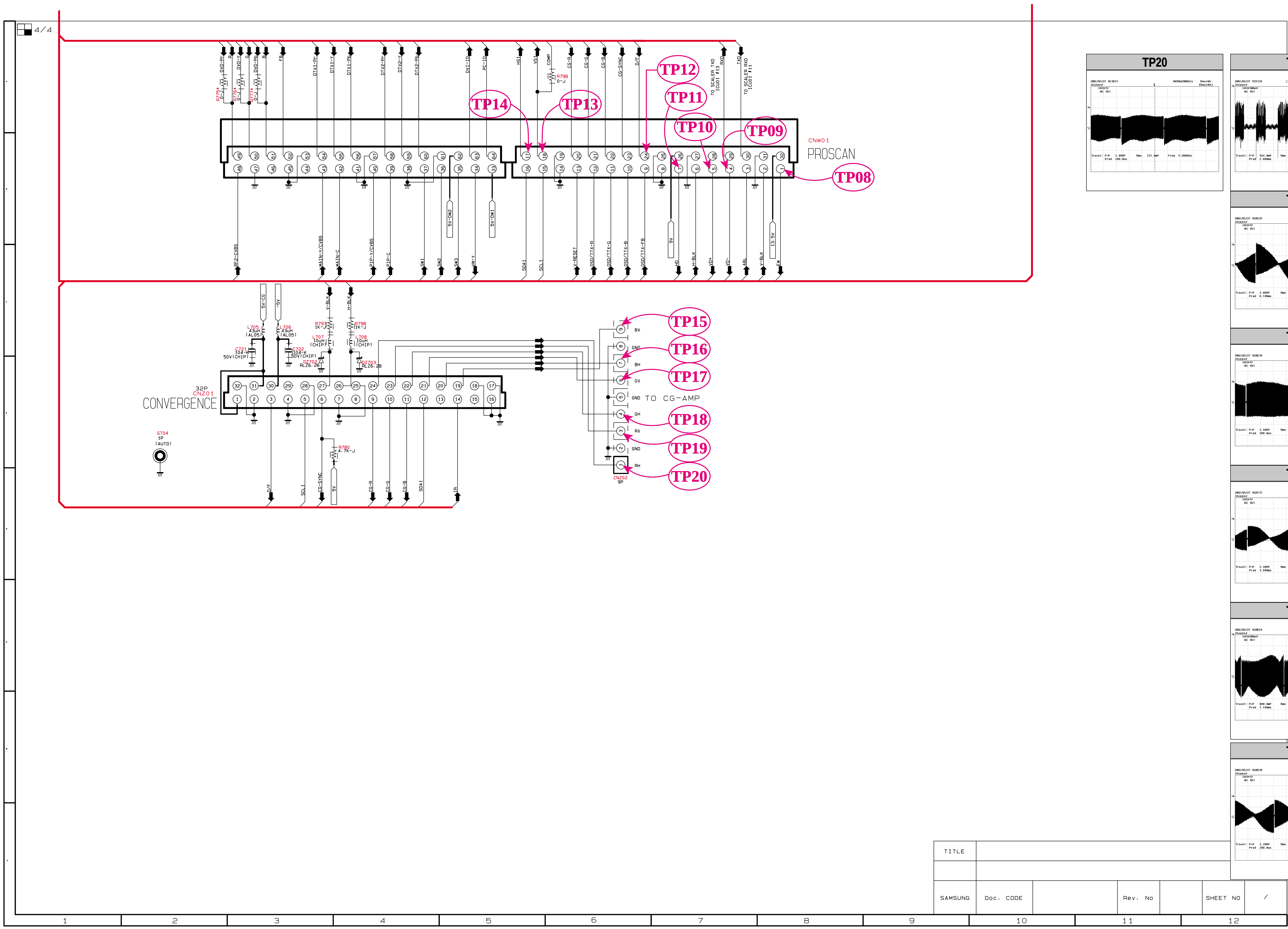
## 5-3 MAIN 3

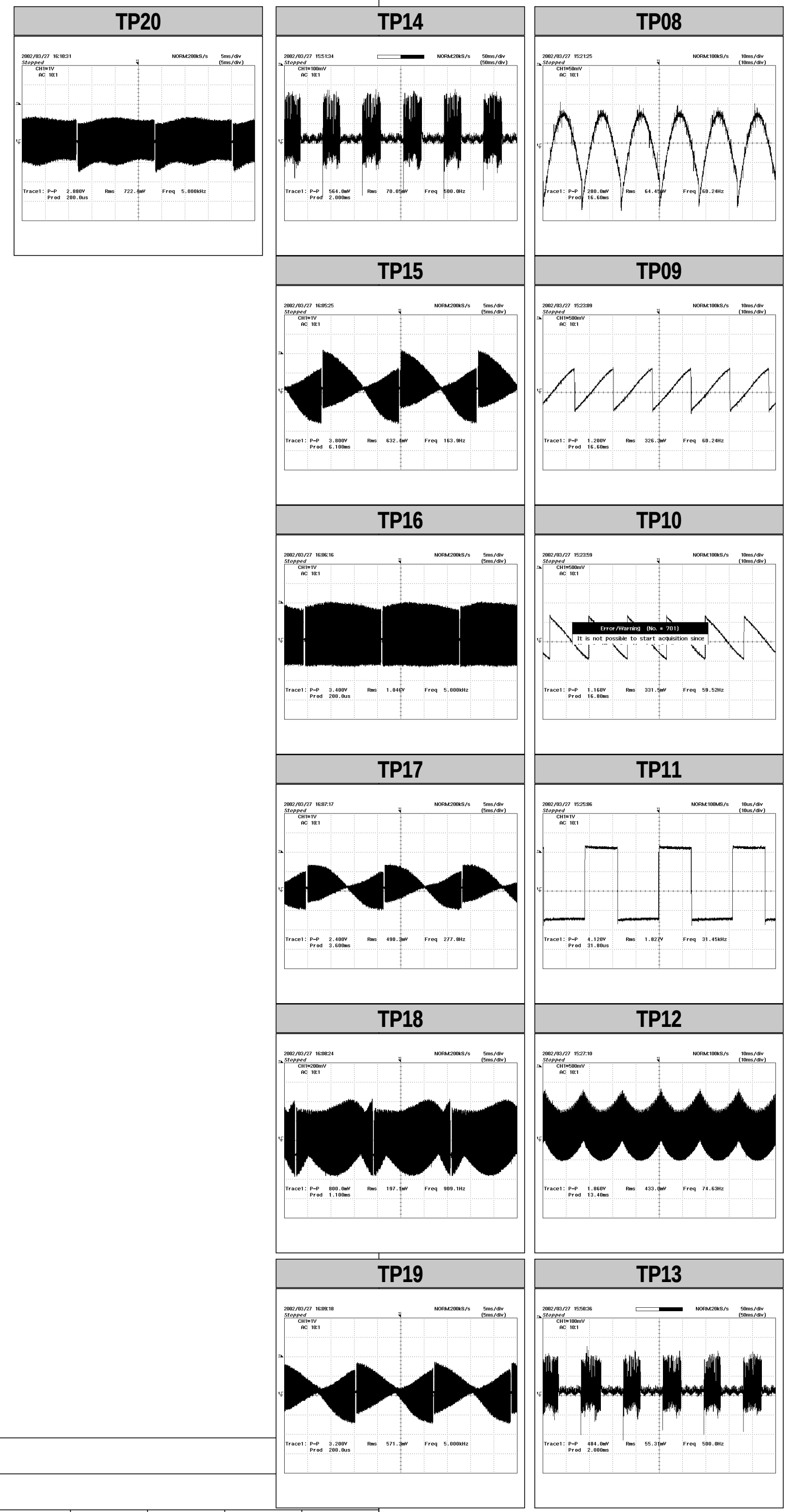

IC602
MSP3411
(PQFP)
IC605
TEA6422D
(SOIC)
IC601
TDA7265
(ASSY-H/S)
IC603
TL062CDT
(SOP)
IC604
TL062CDT
(SOP)
TO PC-SOUND
TO SPEAKER
TO SUB-AMP
GLADIATOR OPTION
PAL OPTION
MSP3452 USE(SURROUND OPTION)
TP06
TP07


TP06

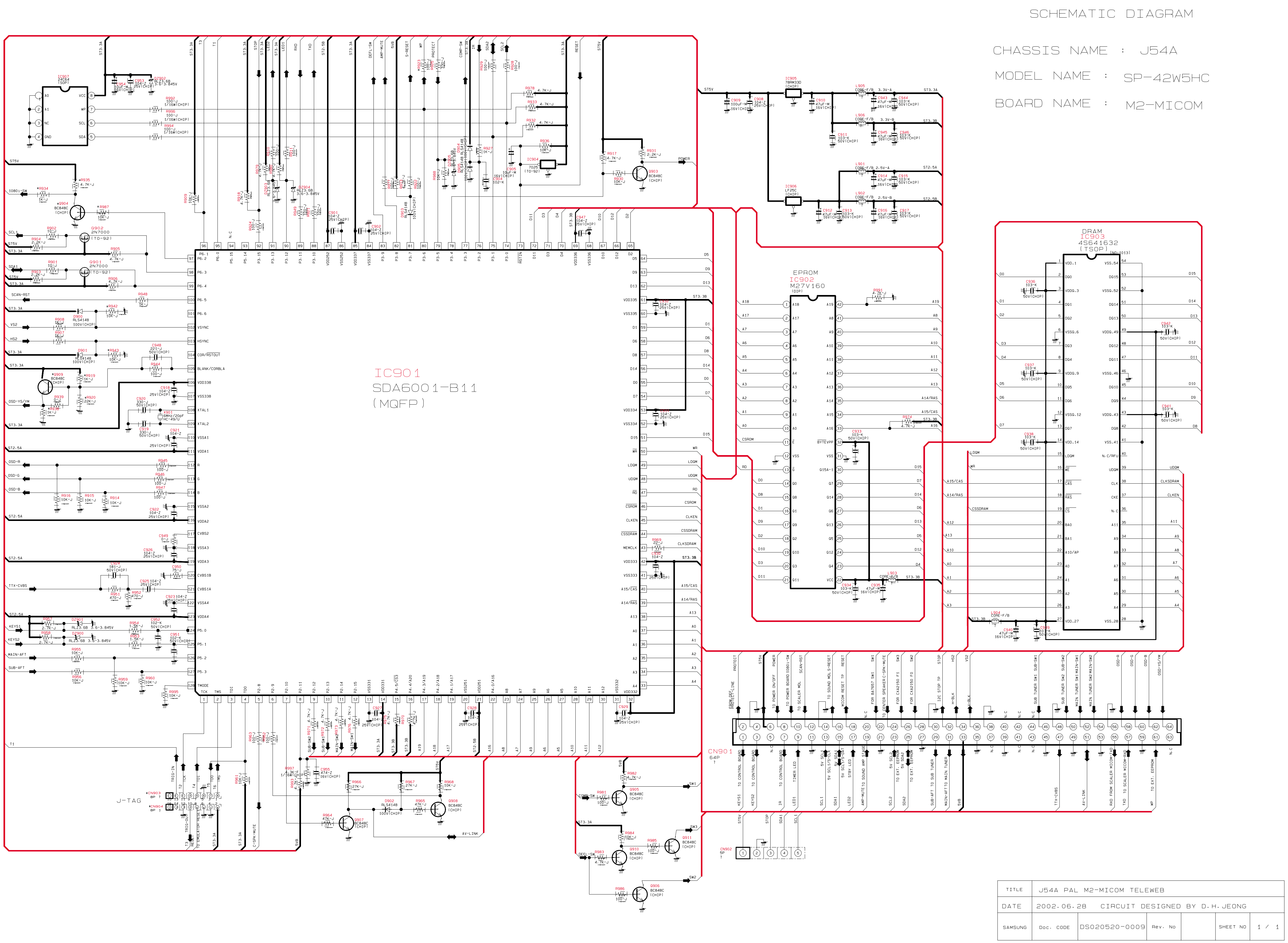

TP07

## 5-4 MAIN 4

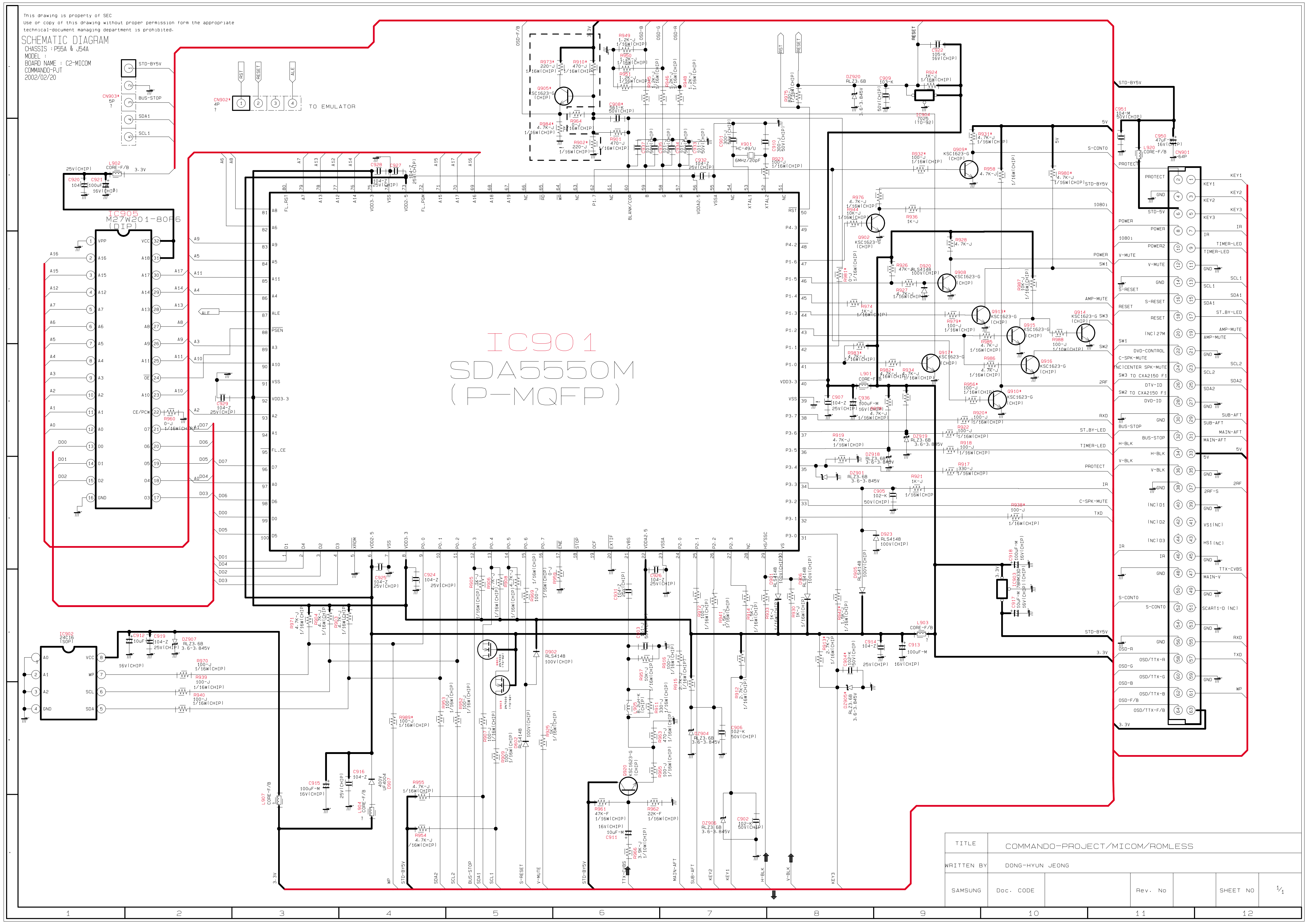

TP14
TP13
TP12
TP11
TP10
TP09
TP08
PROSCAN
CONVERGENCE
TP15
TP16
TP17
TP18
TP19
TP20
TO CG-AMP


TP20
TP14
TP08
TP15
TP09
TP16
TP10
TP17
TP11
TP18
TP12
TP19
TP13

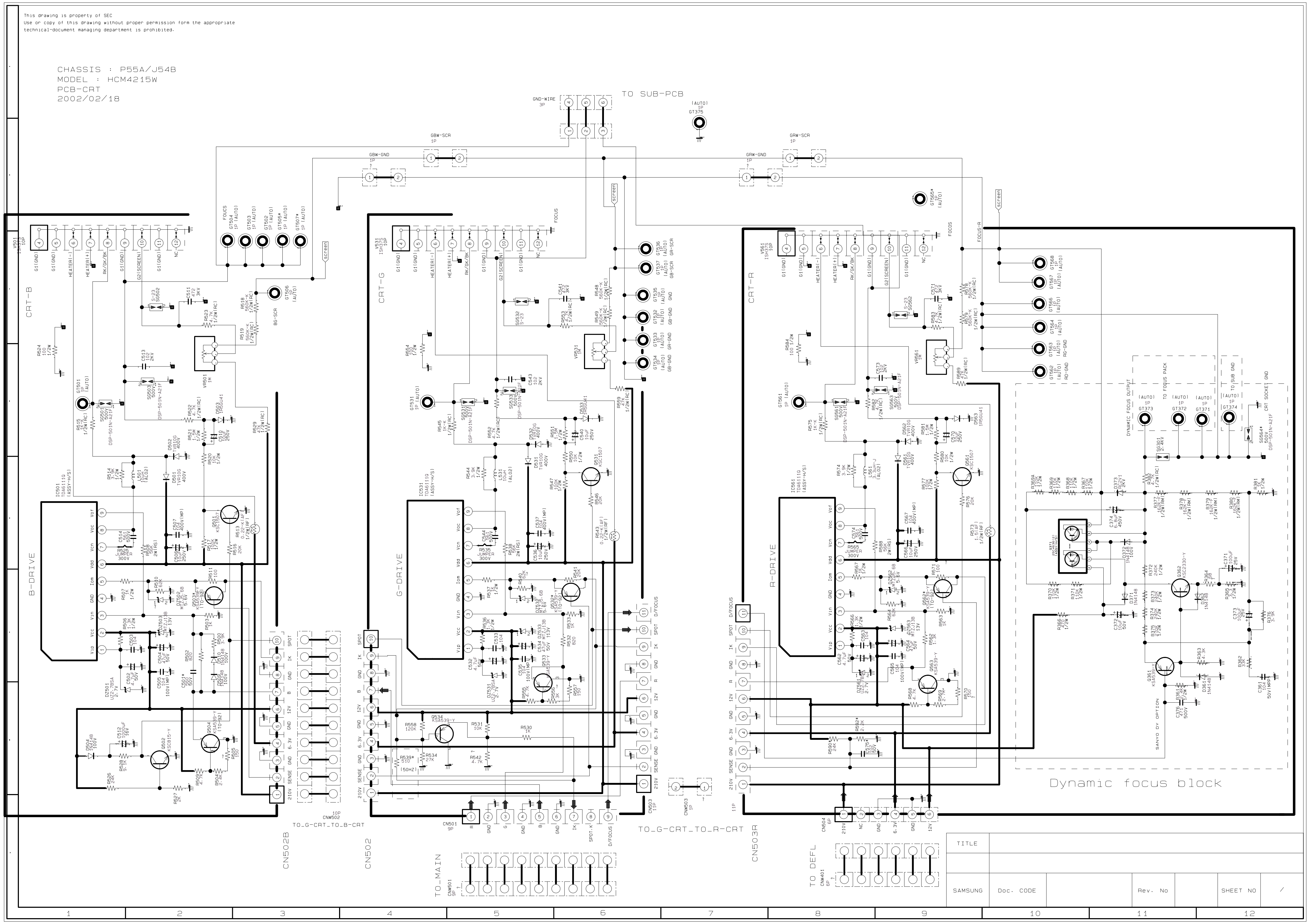
## 5-5 T_CM2906_002 MICOM



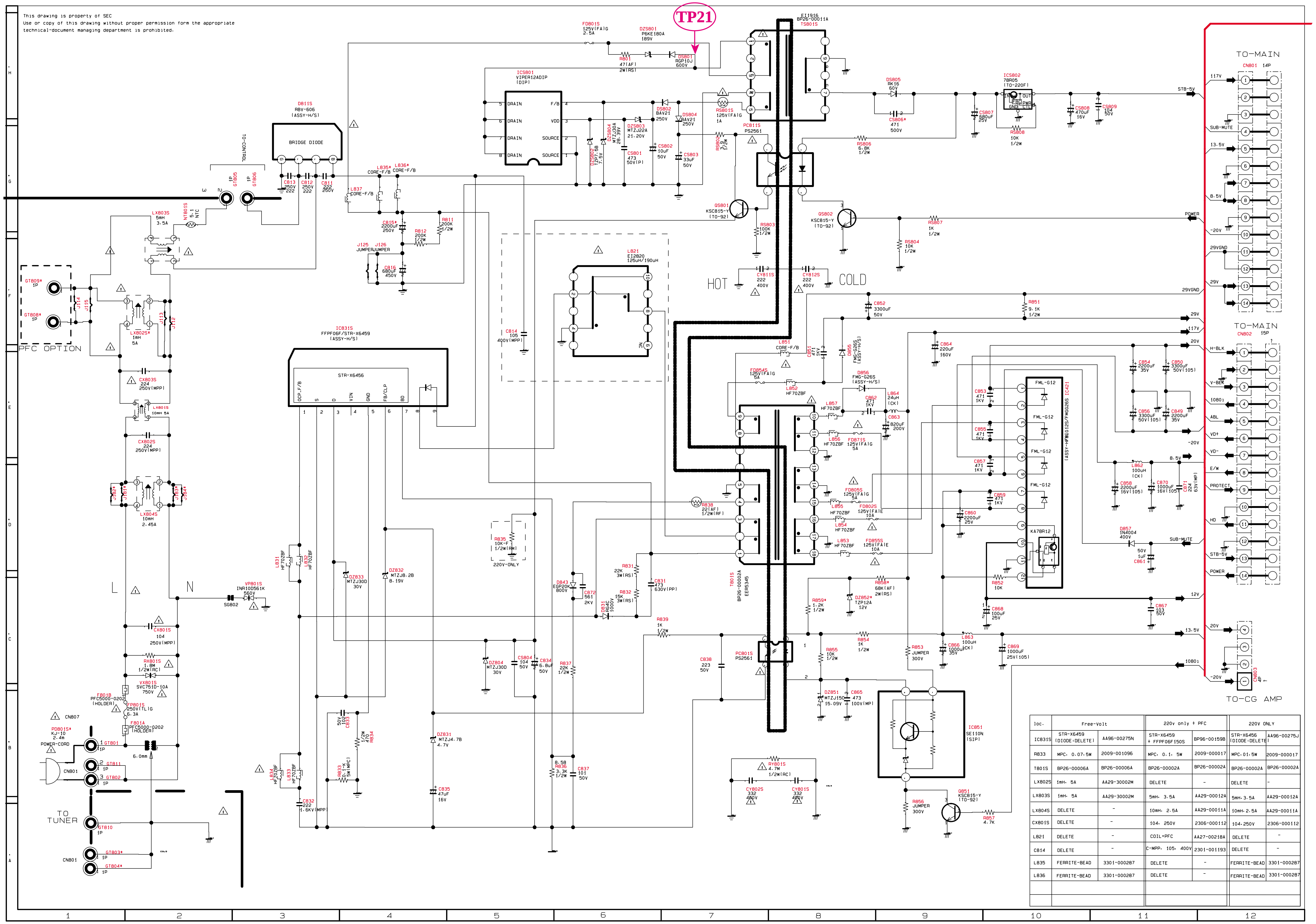
## 5-6 T_CMDEAC_XXX MICOM

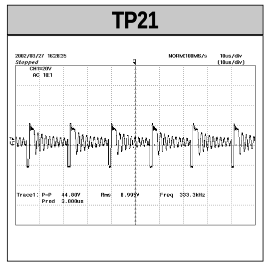


## 5-7 CRT



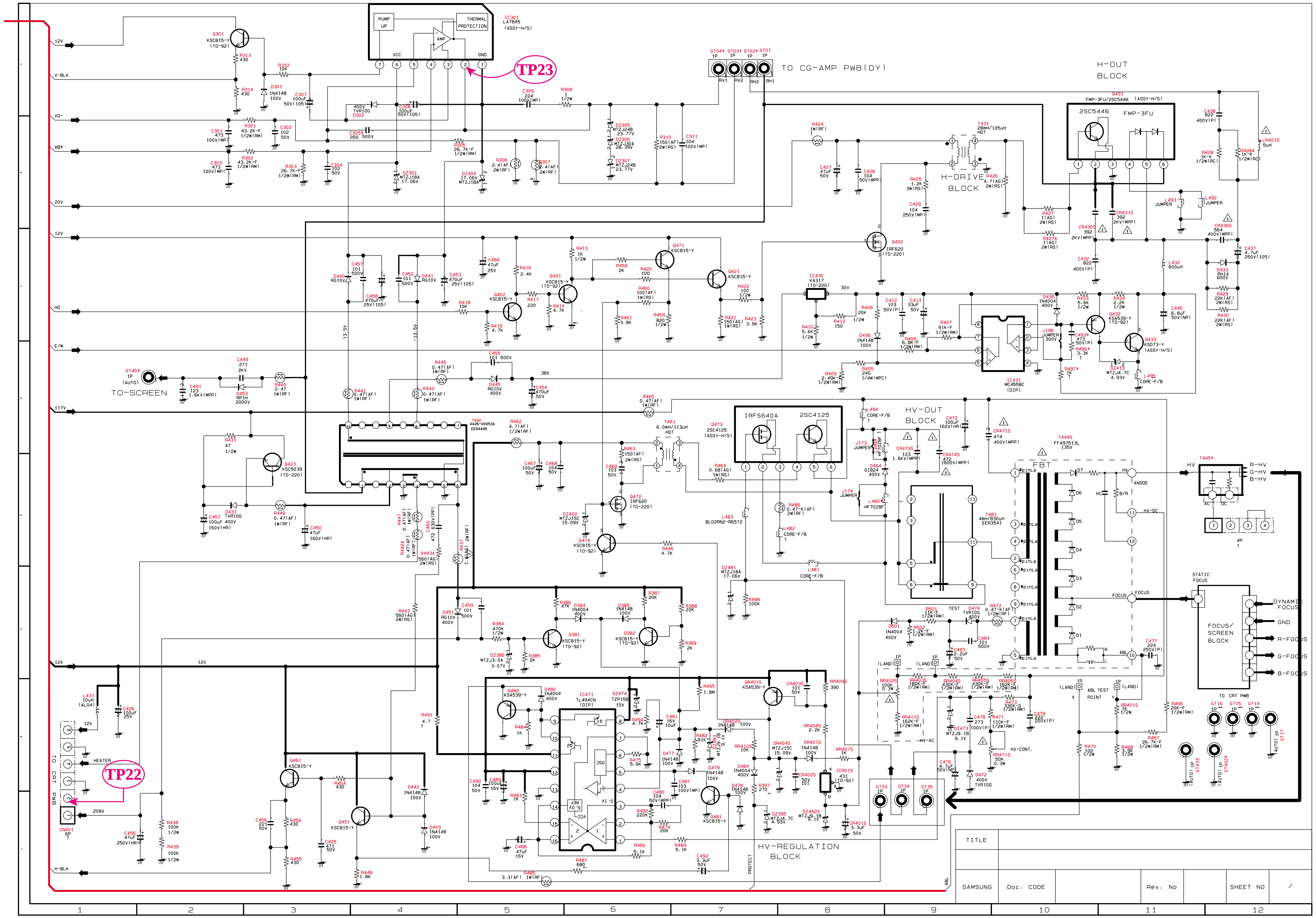
# 5-8 SUB 1



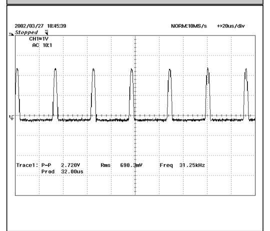



| loc. | Free-Volt | | 220v only + PFC | | 220V ONLY | |
|---|---|---|---|---|---|---|
| IC831S | STR-X6459 (DIODE:DELETE) | AA96-00275N | STR-X6459 + FFPF06F150S | BP96-00159B | STR-X6456 (DIODE:DELETE) | AA96-00275J |
| R833 | MPC. 0.07.5W | 2009-001096 | MPC. 0.1. 5W | 2009-000017 | MPC.01.5W | 2009-000017 |
| T801S | BP26-00006A | BP26-00006A | BP26-00002A | BP26-00002A | BP26-00002A | BP26-00002A |
| LX802S | 1mH. 5A | AA29-30002M | DELETE | - | DELETE | - |
| LX803S | 1mH. 5A | AA29-30002M | 5mH. 3.5A | AA29-00012A | 5mH.3.5A | AA29-00012A |
| LX804S | DELETE | - | 10mH. 2.5A | AA29-00011A | 10mH.2.5A | AA29-00011A |
| CX801S | DELETE | - | 104. 250V | 2306-000112 | 104.250V | 2306-000112 |
| L821 | DELETE | - | COIL=PFC | AA27-00218A | DELETE | - |
| C814 | DELETE | - | C-MPP. 105. 400V | 2301-001193 | DELETE | - |
| L835 | FERRITE-BEAD | 3301-000287 | DELETE | - | FERRITE-BEAD | 3301-000287 |
| L836 | FERRITE-BEAD | 3301-000287 | DELETE | - | FERRITE-BEAD | 3301-000287 |

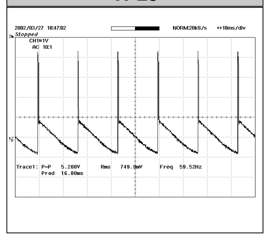
## 5-9 SUB 2



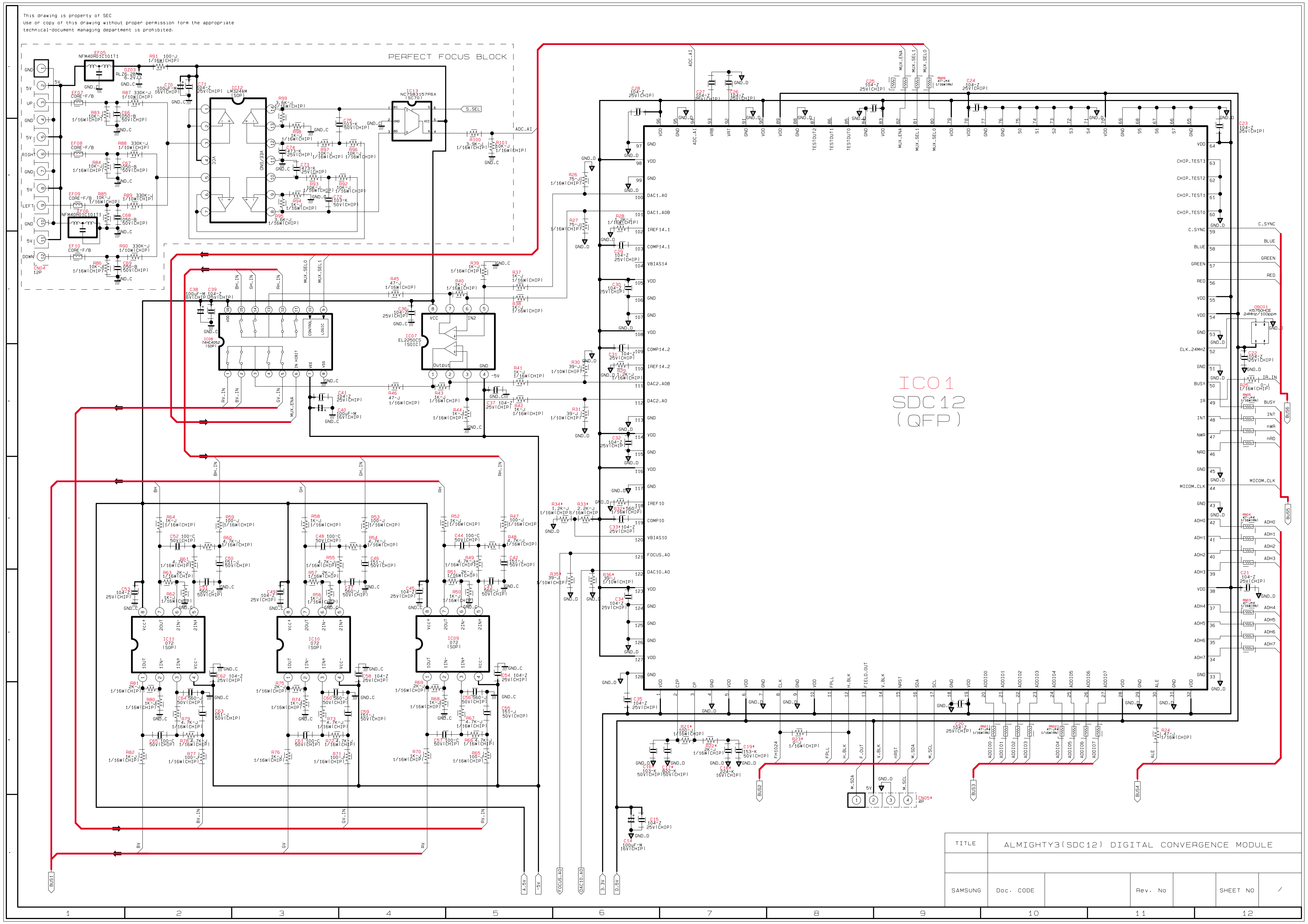

TP22



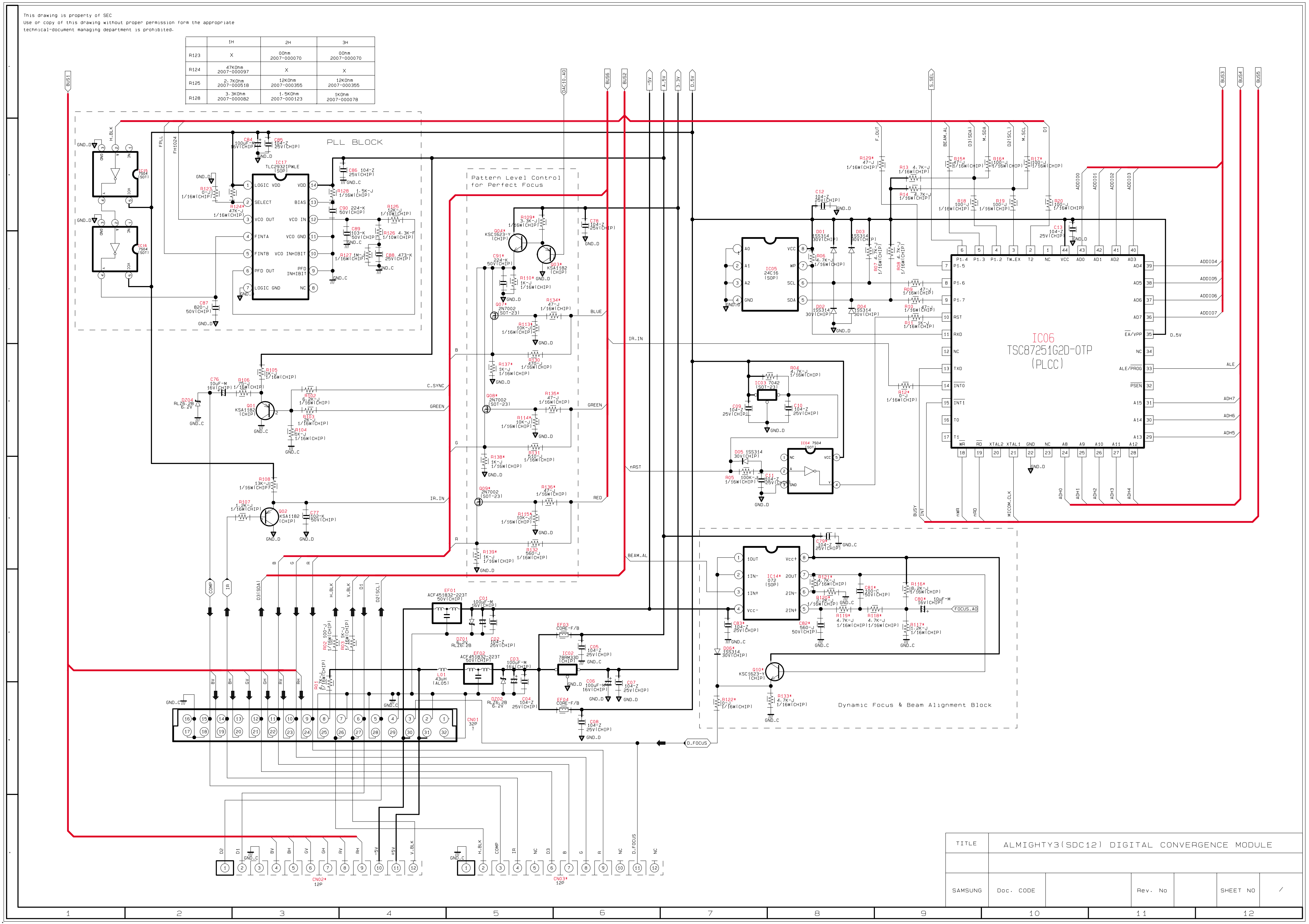
TP23



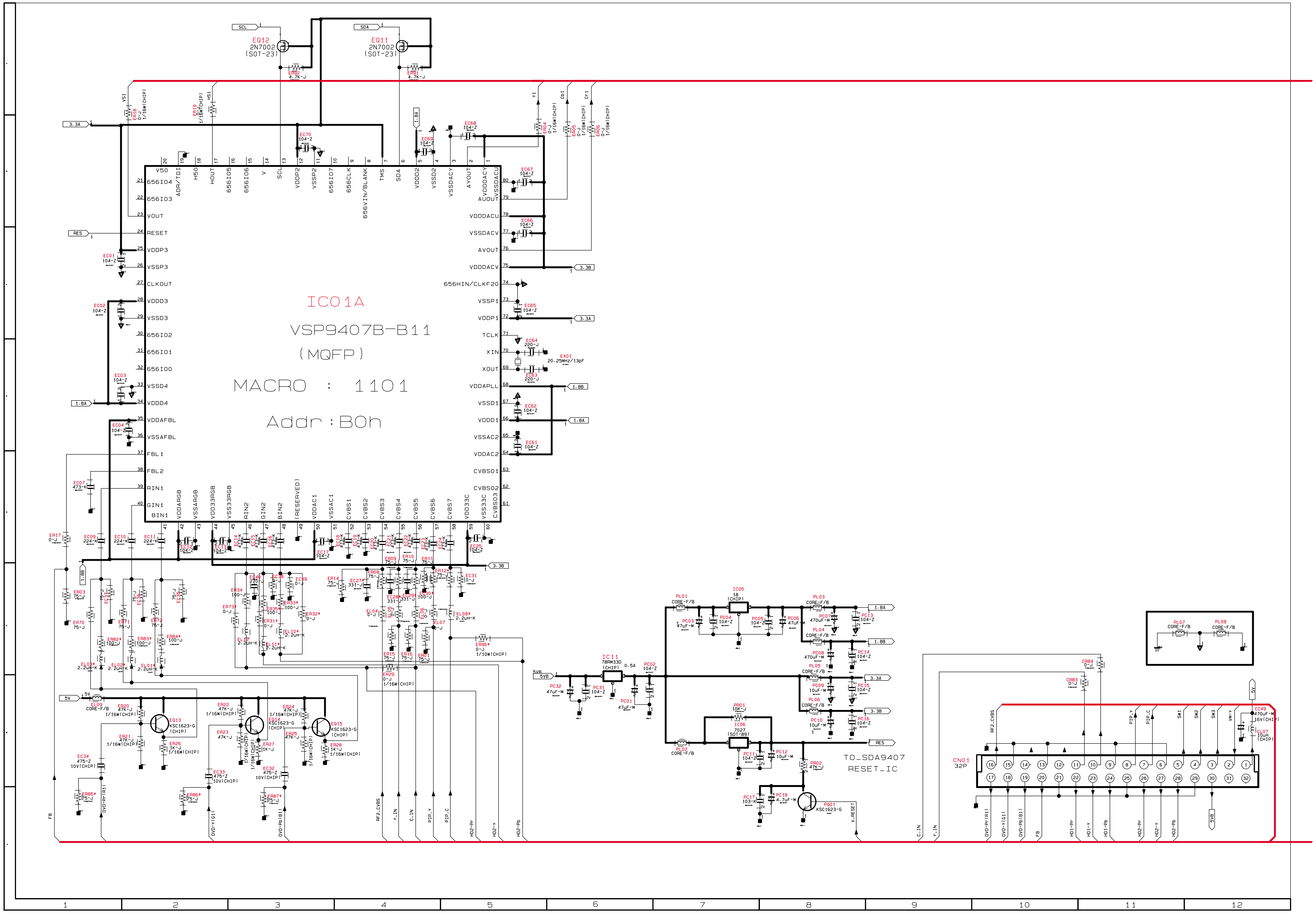
## 5-10 CONVERGENCE ( SDC12 - 1 )



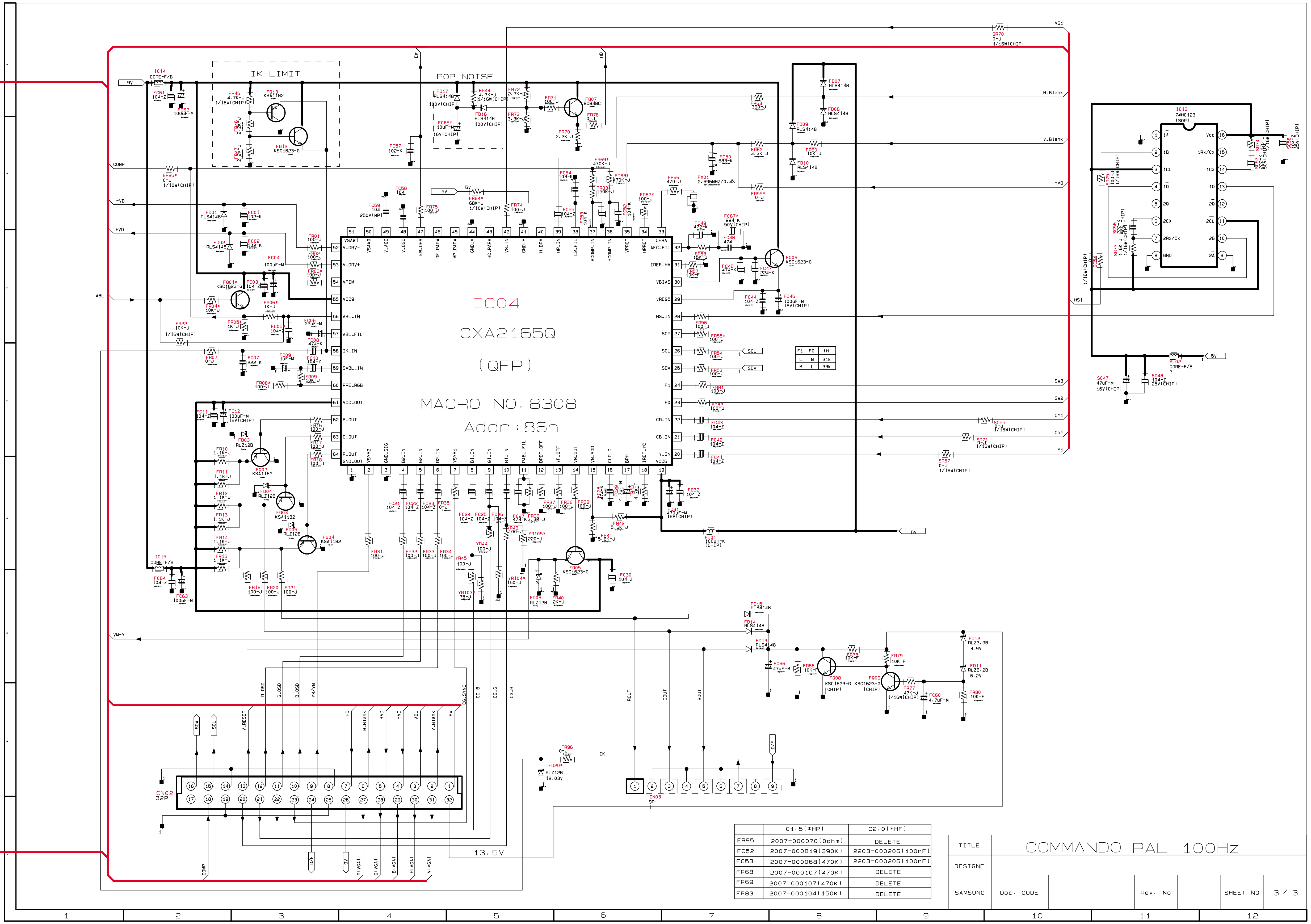
# 5-11 CONVERGENCE ( SDC12 - 2 )



## 5-12 PRO SCAN 1



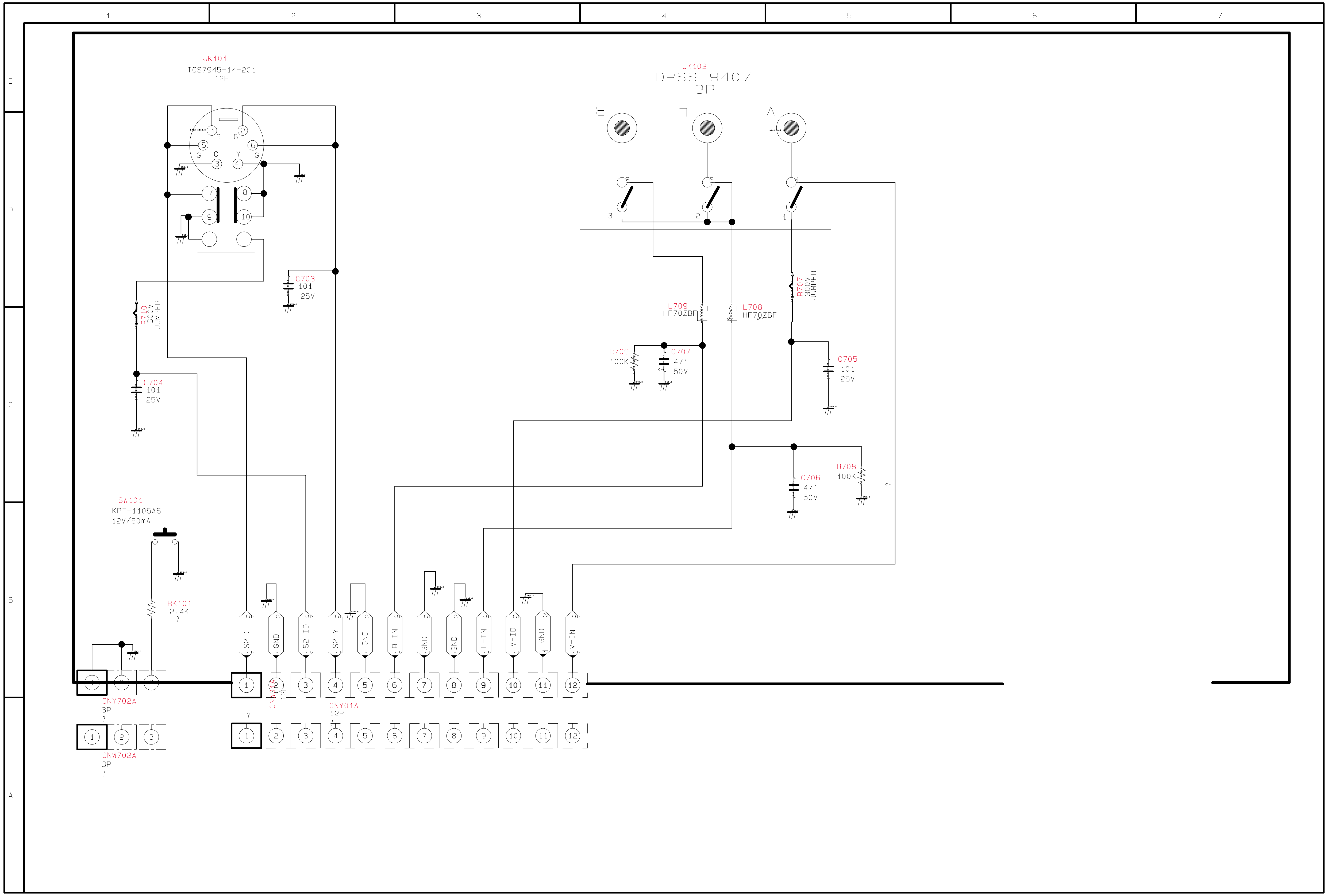
## 5-13 PRO SCAN 2




| | C1.5(*HP) | C2.0(*HF) |
|---|---|---|
| ER95 | 2007-000070(0ohm) | DELETE |
| FC52 | 2007-000819(390K) | 2203-000206(100nF) |
| FC53 | 2007-000068(470K) | 2203-000206(100nF) |
| FR68 | 2007-000107(470K) | DELETE |
| FR69 | 2007-000107(470K) | DELETE |
| FR83 | 2007-000104(150K) | DELETE |

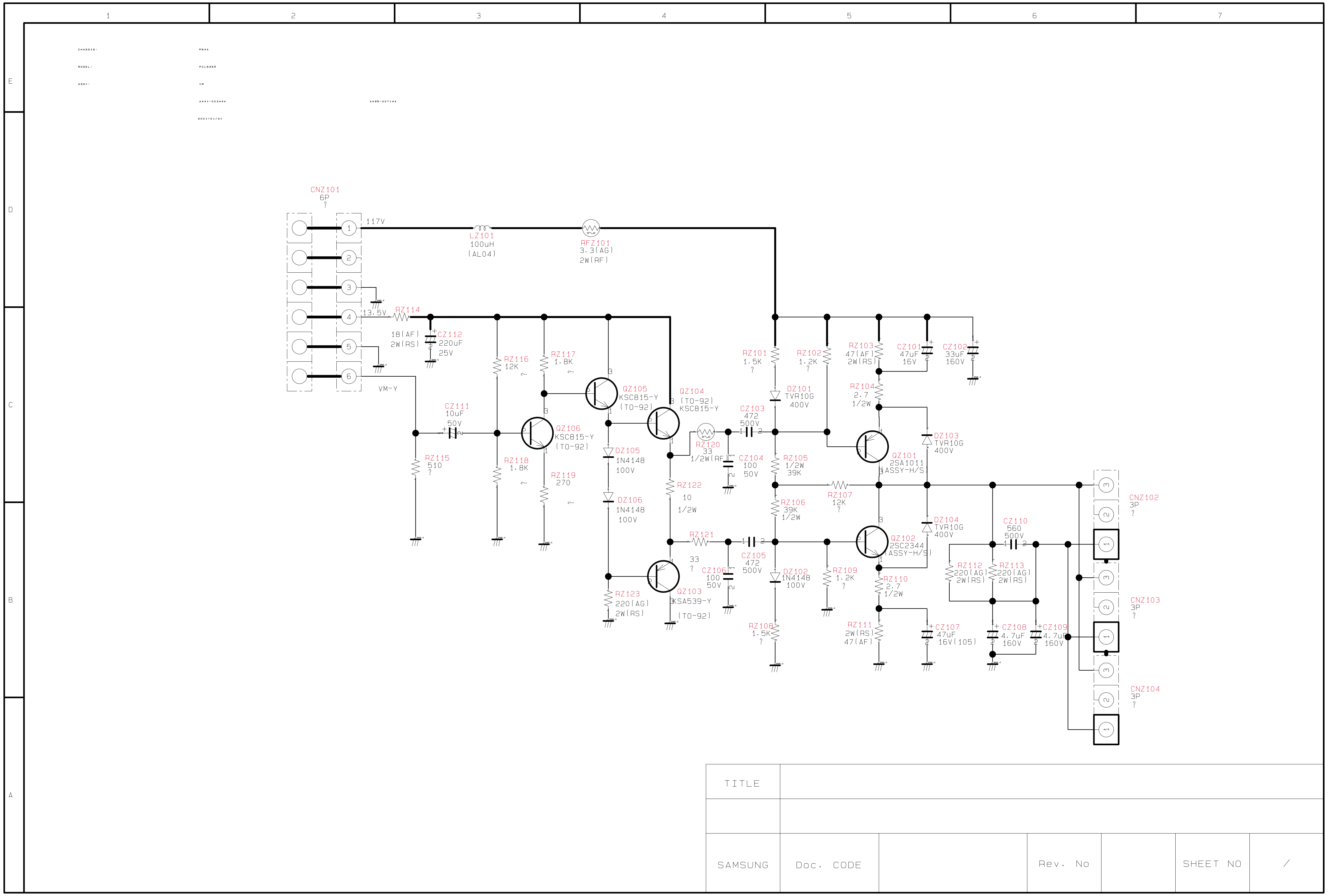
## 5-14 AV FRONT




JK101
TCS7945-14-201
12P
JK102
DPSS-9407
3P
C703
101
25V
R710
300V
JUMPER
C704
101
25V
L709
HF70ZBF
L708
HF70ZBF
R707
300V
JUMPER
R709
100K
C707
471
50V
C705
101
25V
C706
471
50V
R708
100K
SW101
KPT-1105AS
12V/50mA
RK101
2.4K
S2-C
GND
S2-ID
S2-Y
GND
R-IN
GND
GND
L-IN
V-ID
GND
V-IN
CNY702A
3P
CNY01A
12P
CNW702A
3P

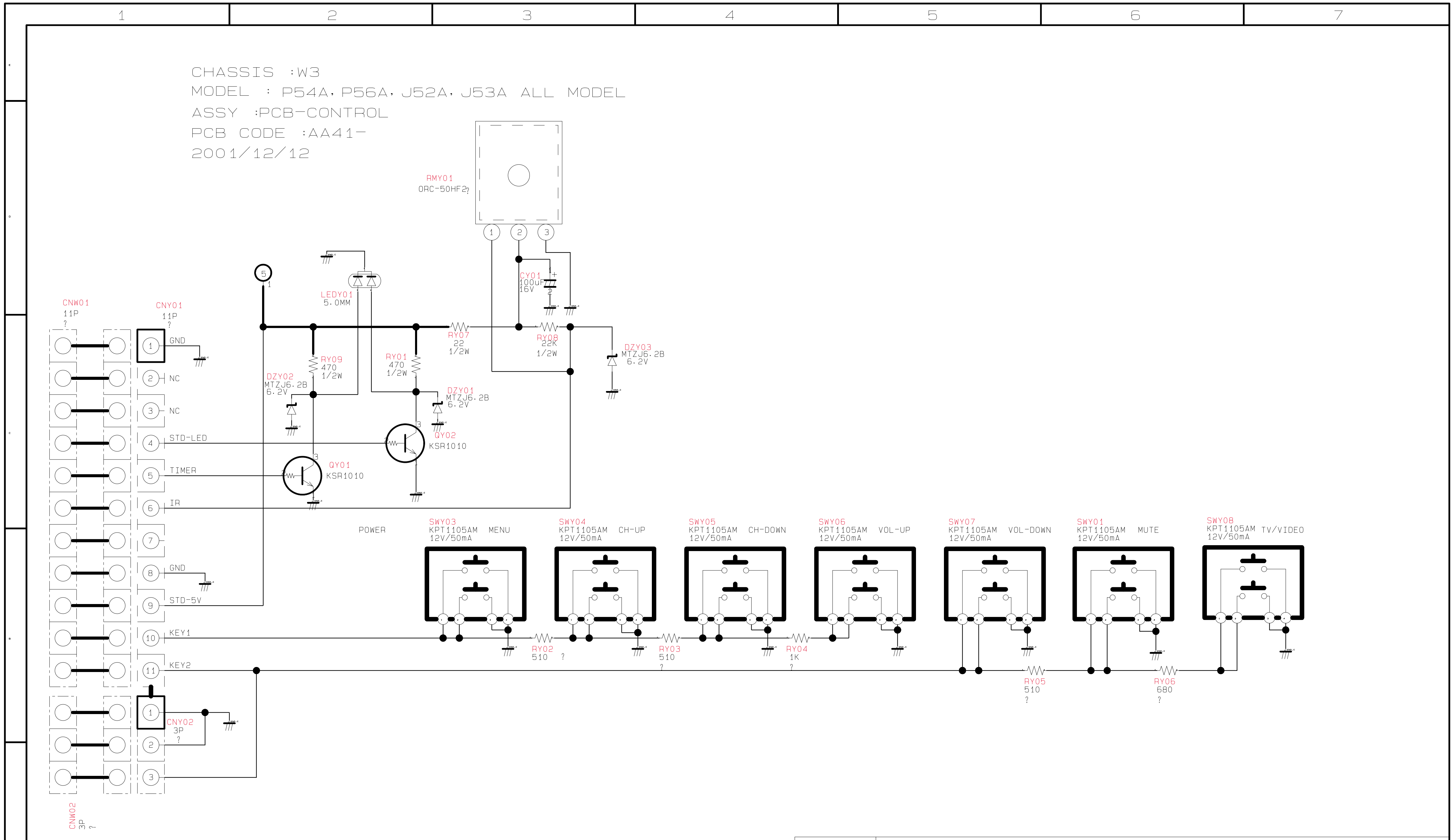
# 5-15 VM





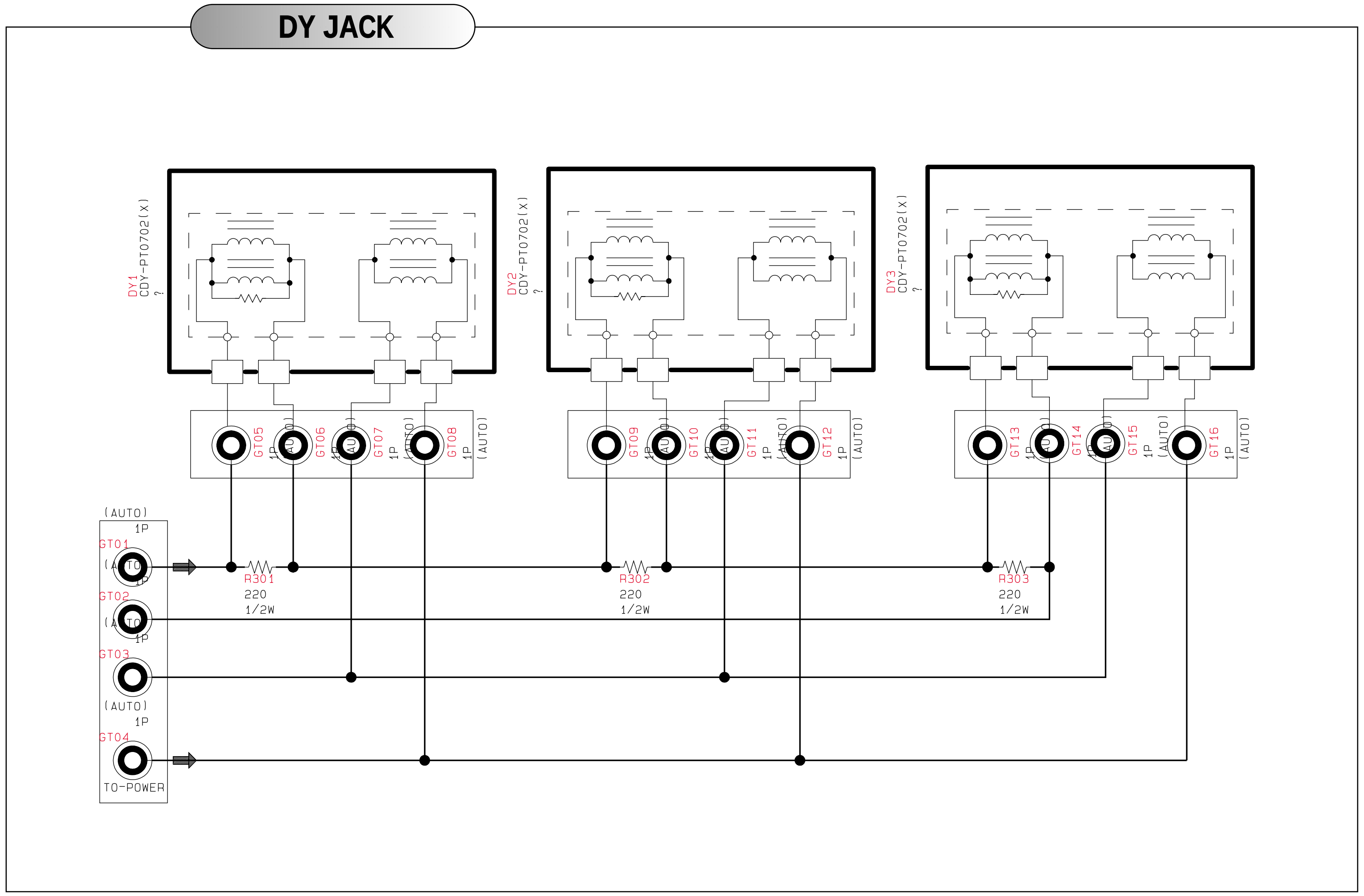
# 5-16 CONTROL

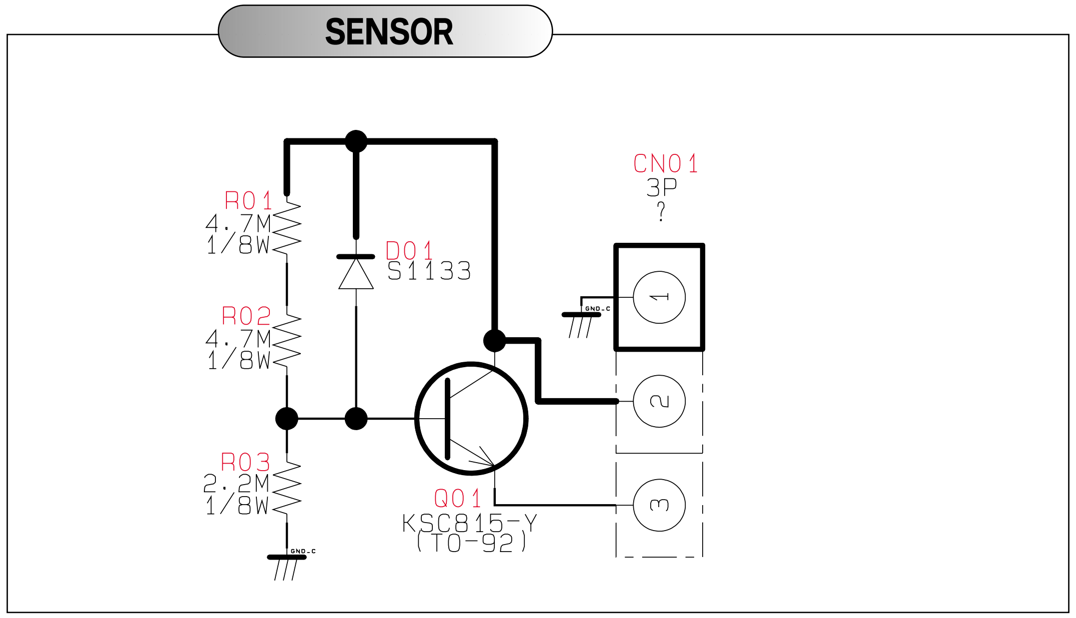




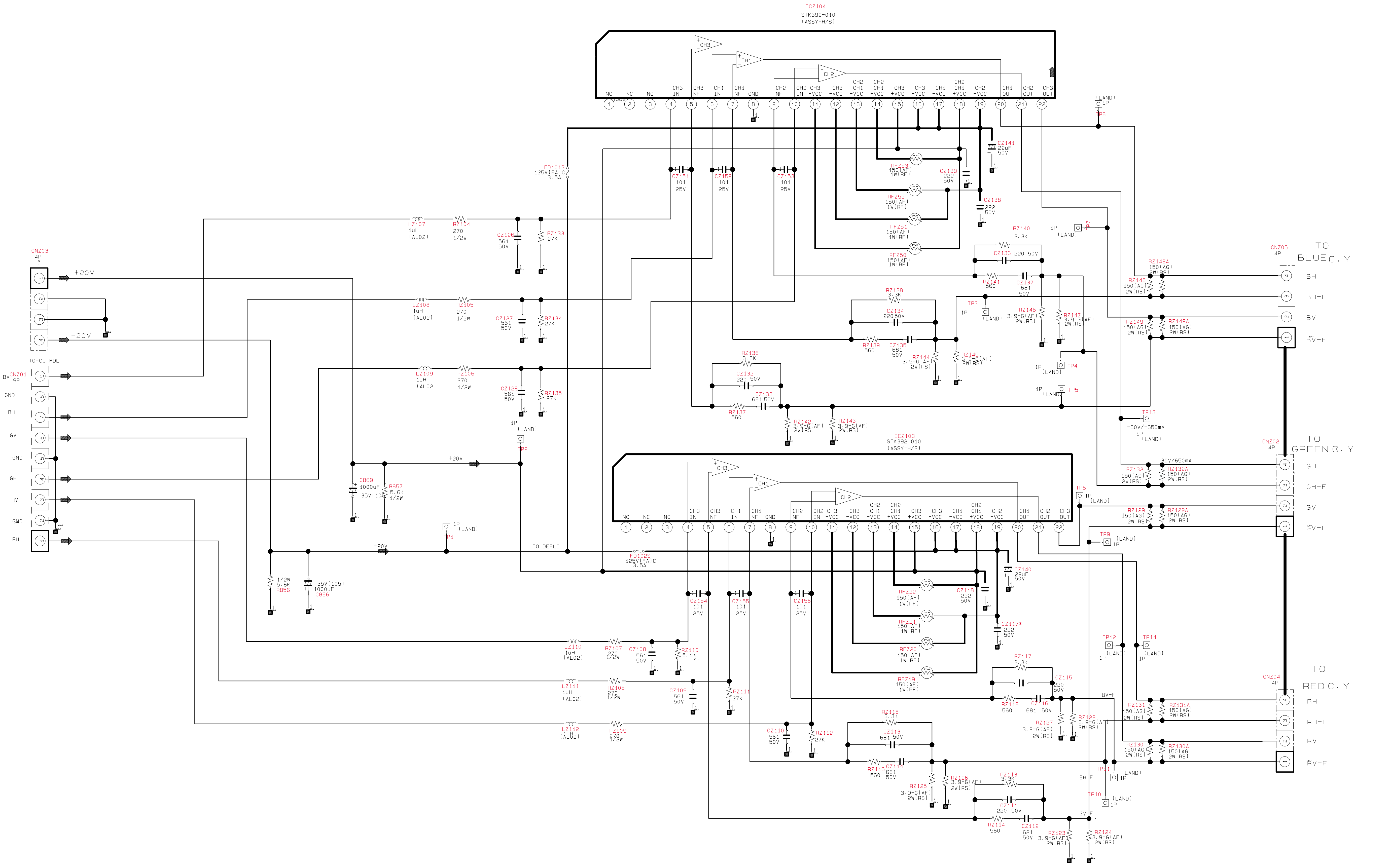

| TITLE | P54A. P56A. J52A. J53A ALL MODEL | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| SAMSUNG | Doc. CODE | Y. I. KAH | Rev. No | | SHEET NO | / |

## 5-17 DY JACK, SENSOR

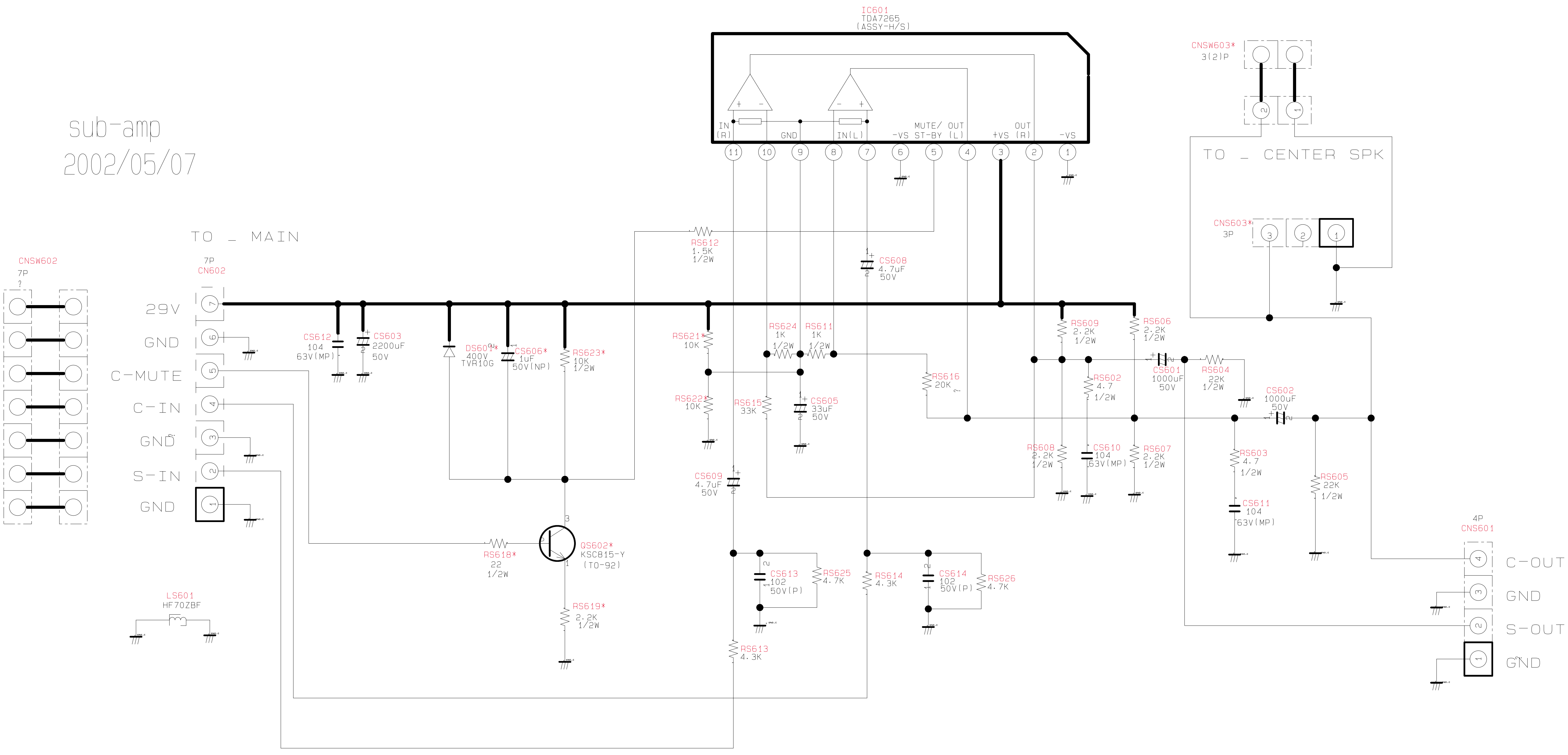


## 5-18 CG AMP

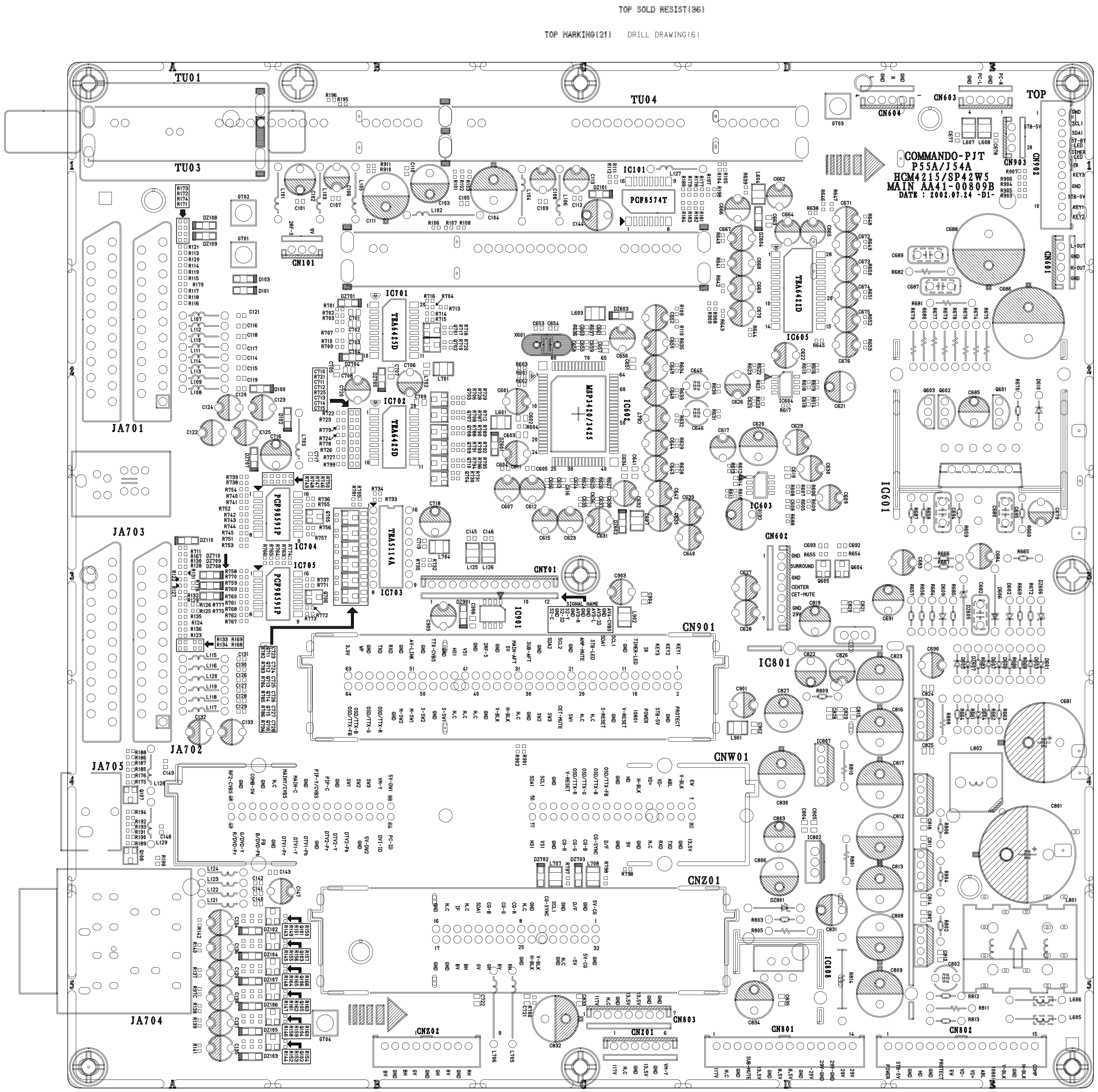


## 5-19 SUB AMP

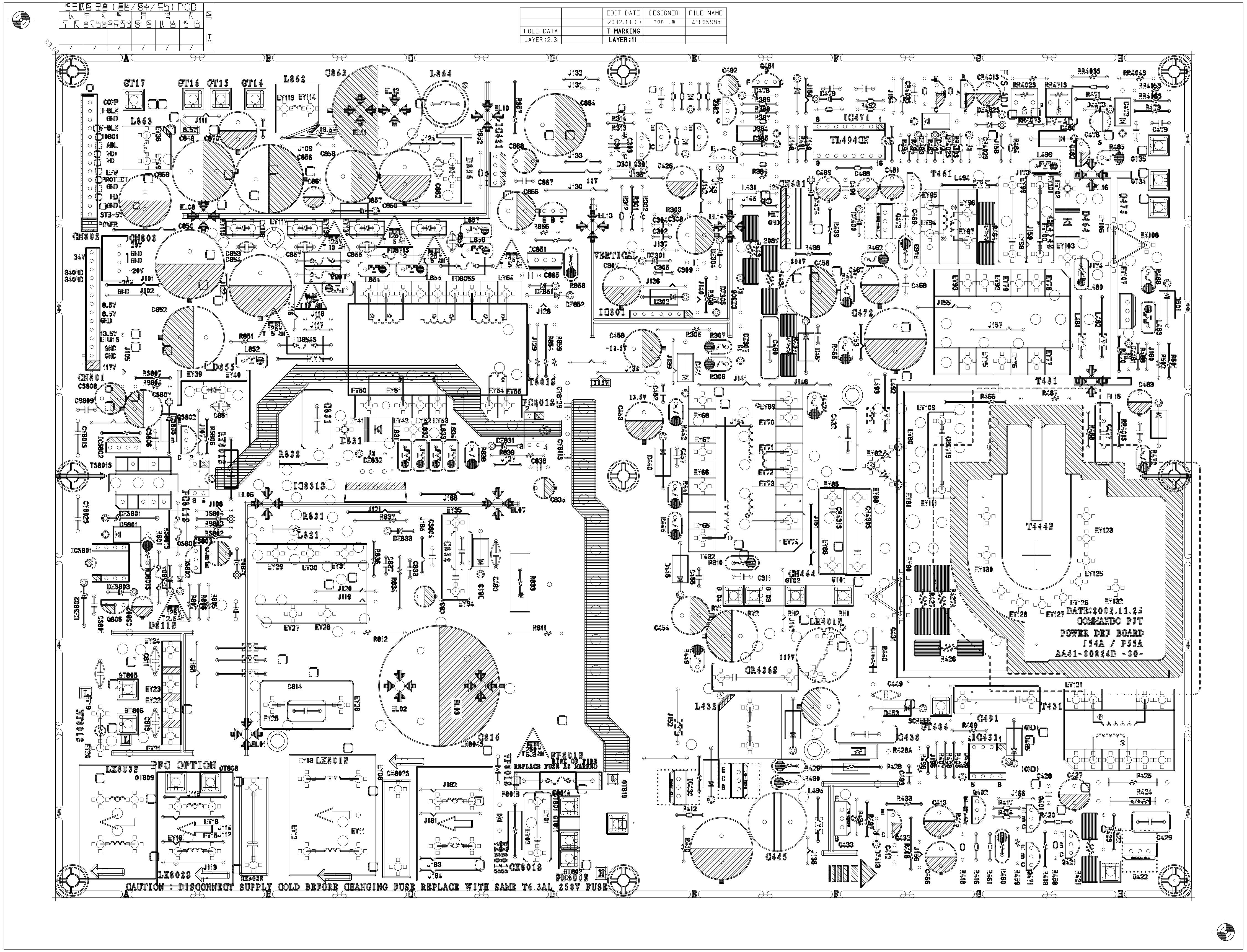

sub-amp
2002/05/07
IC601
TDA7265
(ASSY-H/S)
TO _ MAIN
CNSW602
7P
CN602
29V
GND
C-MUTE
C-IN
GND
S-IN
GND
CNSW603*
3(2)P
TO _ CENTER SPK
CNS603*
3P
4P
CNS601
C-OUT
GND
S-OUT
GND
QS602*
KSC815-Y
(TO-92)
LS601
HF70ZBF
DS601*
400V
TVR10G
MUTE/ ST-BY
OUT (L)
OUT (R)
+VS
-VS
IN (R)
IN (L)

# 4. PCB Diagrams

## 4-1 MAIN PCB



## 8-2 SUB PDB



You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

# 3. Electrical Parts List

## 3-1 SP43T7HF1X/BOB

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | BP91-00525A | ASSY CPT-R;SP43T7HPX/XEF,J54A | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | AA61-00809B | HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00125B | SPACER-CRT;PROJ,SILICONE,D/GRAY | |
| 2 | AA39-00018A | LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P | |
| 2 | AA33-00016A | MAGNET CONVERGENCE;JH 92LT - 29F,-,29.1M | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
| 2 | AA61-00845A | CASE-COUPLER,R;DP,PROJ,AA61-00806B | |
| 2 | AA03-00200A | CRT MONO;P16LSG03RJA,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00157A | LENS;,DELTA 240,RED,C-ELEMENT | |
| 2 | AA67-10008A | LENS;-,-,DELTA,77,RED,S4388,- | |
| 2 | AA67-00188A | LENS;DELTA71,RED C ELEMENT | |
| 2 | AA67-00147A | LENS-ASSY;,DELTA 78,CLEAR A/B | |
| 1 | BP91-00526A | ASSY CPT-G;SP43T7HPX/XEF,J54A | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | AA61-00809B | HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00125B | SPACER-CRT;PROJ,SILICONE,D/GRAY | |
| 2 | AA39-00018A | LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
| 2 | AA61-00846A | CASE COUPLER G;DP,PROJ,AA61-00807B | |
| 2 | AA03-00201A | CRT MONO;P16LSG03HKA,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00158A | LENS;,DELTA 240,GREEN,C-ELEMENT | |
| 2 | AA67-10071A | LENS;DELTA 77 79,-,GREEN,C ELEMENT, | |
| 2 | AA67-00189A | LENS;DELTA71,GREEN C ELEMENT | |
| 2 | AA67-00147A | LENS-ASSY;,DELTA 78,CLEAR A/B | |
| 1 | BP91-00527A | ASSY CPT-B;SP43T7HPX/XEF,J54A | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | AA61-00809B | HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00125B | SPACER-CRT;PROJ,SILICONE,D/GRAY | |
| 2 | AA39-00018A | LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P | |
| 2 | AA33-00018A | MAGNET CONVERGENCE;JH 92LT - 36F,-,29.1M | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
| 2 | AA61-00847A | CASE-COUPLER,B;DP,PROJ,AA61-00808B | |
| 2 | AA03-00202A | CRT MONO;P16LSG03BMB,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00156A | LENS;,DELTA 240,CLEAR,C-ELEMENT | |
| 2 | AA67-10007A | LENS;-,-,DELTA,77,CLEAR,S4388,- | |
| 2 | AA67-00190A | LENS;DELTA71,CLEAR C ELEMENT | |
| 2 | AA67-00147A | LENS-ASSY;,DELTA 78,CLEAR A/B | |
| 1 | BP91-00245M | ASSY CHASSIS;SP43T7HFS,J54A,C2.0 | |
| 1 | AA95-01841C | ASSY SUB-PCB,SENSOR;DP,PCL545R,P54A,AA95 | |
| 1 | BP94-00239A | ASSY PCB MISC-DY-JACK;DP,HCM4215W3S/XAA, | |
| 1 | BP94-00328A | ASSY PCB MISC-CONTROL POWER;DP,SP43T7HPS | |
| 1 | BP94-00238A | ASSY PCB MISC-VM;DP,HCM4215W3S/XAA,P55A | |
| 1 | BP94-00353A | ASSY PCB MISC-A/V FRONT;DP, SP43T7HPS/XE | |
| 1 | BP94-00382A | ASSY PCB MISC-SUB AMP;DP,SP43T7HFS,J54A, | |
| 1 | BP94-00383A | ASSY PCB MISC-CG-AMP;DP,SP43T7HFS,J54A,C | |
| 1 | BP94-00442B | ASSY PCB MISC-SPK TERMINAL;DP, BP96-0003 | |
| 1 | BP94-00329A | ASSY PCB MISC-CONTROL SIDE;DP,SP43T7HPS/ | |
| 1 | BP94-00257A | ASSY PCB CRT-PCB;DP,SP42W5HFS/XEF,J54A | |
| 2 | AA59-00171A | MODULE-FOCUS,PACK;SVP-5200,S300-P3,-,-,- | |
| 2 | AA39-20577B | LEAD CONNECTOR ASSY;P54A/SVP-55W3HD,UL16 | |
| 1 | AA40-00051A | TUNER;TCPW3001PC18B(S),TCPW3001PC18B(S), | |
| 1 | AA40-00050A | TUNER;TCLW3101PD18A(S),TCLW3101PD18A(S), | |
| 1 | AA96-20130A | ASSY-POWER,CORD;-,CP2/NO(4.0R),H/C150,KJ | |
| 1 | AA39-30007A | IF-CABLE;-,T,100mm,1365#26 | |
| 1 | AA39-00006A | CABLE-RCA;-,RCA,3000MM,0.12/10,RED/WHT/Y | |
| 1 | BP98-00244A | ASSY K/D-CABINET,WOOD;43T7, AA64-02731C, | |
| 2 | AA60-10051A | SCREW-WOOD;-,SWRCH18A,M4,L16,PH,+,-,-,ZP | |
| 2 | AA60-10051B | SCREW-WOOD;-,SWRCH18A,M3.5,L11,RH,+,-,-, | |
| 2 | AA61-00094C | HOLDER-RAIL;PCJ533R,ABS,-,-,-,BLK,HB,480 | |
| 2 | AA61-00097A | HOLDER-WIRE;-,NYLON 6/6,-,-,-,NTR,- | |
| 2 | AA61-00508D | HOLDER-JERSEY;W3,ABS V0,GRAY,G4309 | |
| 2 | AA61-00533B | BRACKET-GRILLE;43,54,62J8,SECC-1 ,T0.5,- | |
| 2 | AA61-00616B | HOLDER-CRT,MAIN;54J7,DP,-,-,-,-,AA61-005 | |
| 2 | AA61-00864A | HOLDER-PCB;W3,HIPS,V0,BLK | |
| 2 | AA61-01133A | VELCRO-B;COMMANDO,BST1 1/4H | |
| 2 | AA61-01213A | BRACKET-GRILLE;43T7,SECC,T0.5 | |
| 2 | AA61-10247A | BRACKET-FOCUS;S46DS,SECC,T1.0,-,-,-,- | |
| 2 | AA64-02731C | CABINET-WOOD;43T7,WOOD,SDE8336R XGA | |
| 2 | AA65-00014B | CLAMPER CORE-WIRE;GPM-51A,PP,HB,-,BLK,- | |
| 2 | BP61-00019A | HOLDER-PALLET;42W5,HIPS HB,BLK | |
| 2 | 3001-001353 | SPEAKER;25W,8OHM,90DB+/-3DB,60HZ+/-12HZ | |
| 2 | 3001-001107 | SPEAKER;20W,8ohm,95dB,1300Hz | |
| 2 | AA39-00086A | LEAD CONNECTOR-ASSY;,2.2UF,REC,REC,200MM | |
| 2 | AA98-00049A | ASSY-LEAD,CON;-,LEAD-CON,CORE,AA39-20505 | |
| 3 | 3301-001201 | CORE-FERRITE;AE,21x11x32mm,1500,280G | |
| 2 | AA61-00617B | BRACKET-CRT,MAIN;DP,54J7,AA61-00475B | |
| 2 | 6006-001094 | SCREW-ASS'Y WOOD;WW,HH,+,M7,L32,ZPC(YEL) | |
| 2 | AA61-00618C | GUIDE-FLOW;54J8,J7,ABS,IVORY,V0 | |
| 1 | BP96-00016H | ASSY COVER P-CAINET MASK;DP,43T7,AA64-02 | |
| 2 | AA64-02733E | CABINET-FRONT,MASK TOP;43T7HF,HIPS,HB,G4 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | BP64-00017B | CABINET-BACK,BOT;DP,43T7,AA64-02735B | |
| 1 | BP64-00016A | CABINET-BACK,TOP;DP,43T7,AA64-02734A | |
| 1 | BP64-00015B | CABINET-FRONT,BOT;DP,43T7 EUR,AA64-02732 | |
| 1 | AA67-00195A | SCREEN-TINT;43,908*690,T=0.73,P=0.52 | |
| 1 | AA67-00115B | SCREEN-FRESNEL;43N,-,T2,910*692,-,-,- | |
| 1 | AA67-00129A | SUN SCREEN-AG;43J8,T=82%,910*692*2,G=110 | |
| 1 | BP61-00016A | BRACKET-SCREEN,TB;DP,43T7,AA61-01124A | |
| 1 | BP61-00017A | BRACKET-SCREEN,RL;DP,43T7,AA61-01125A | |
| 1 | BP61-00012A | BRACKET-MIRROR;DP,42W5,AA61-01123A,11.8K | |
| 1 | AA60-00072C | SPACER-COVER,DUST;43T7,SPONGE 94HF-1,T3. | |
| 1 | AA63-60122J | SPACER-FELT;SPD-50P3H,FELT,L530,D20,T0.3 | |
| 1 | BP73-00004A | RUBBER-CAP;42W5,SILICONE,WHT,RUBBER | |
| 1 | AA67-00205D | MIRROR-BACK;DP,43T7,SSM,795*569*554*(78) | |
| 1 | AA26-00101A | TRANS FBT;FWZ50A001E/FFA97513B,12KV,5P,- | |
| 1 | BP39-00009A | LEAD CONNECTOR ASSY;P54A/SVP-42W5,UL2547 | |
| 1 | BP39-00036A | LEAD CONNECTOR;J54A/SP42W5HP,UL2547#26,U | |
| 1 | BP39-00048A | LEAD CONNECTOR;P55A/SVP-47W3HRT,UL1617#2 | |
| 1 | AA61-00049B | HOLDER-BOX;-,PP,-,-,-,NTR,V0,AA61-20285A | |
| 1 | BP61-00043B | HOLDER-SENSOR;W9,PC HB,VIOLET | |
| 1 | BP61-00052A | HOLDER-WIRE;PJTV,NYLON,66,NATURAL | |
| 1 | AA64-60449B | INLAY-COVER;SP-434JMF,PS,T0.5,149.3X69.5 | |
| 1 | BP64-00044A | INLAY-VENT;43T7,PS SHEET,T0.5 | |
| 1 | AA65-30018A | CLAMP-WIRE;DONG-A,NYLON-66,-,-,-,DATL-60 | |
| 1 | AA65-30105A | CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2, | |
| 1 | AA65-00020A | CLAMP CORE-WIRE;55W9,NYLON 66 | |
| 1 | AA65-30008A | CLAMP-CORD;-,PE,HB,-,BLK,- | |
| 1 | AA65-30013A | CLAMP-WIRE;-,NYLON-6 | |
| 1 | AA65-30111A | CLAMP-WIRE;ALL MODEL,NYLON,V0,-,WHT,1T 1 | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | AA63-10007B | BAND-PP;W18,CLEA | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | 6003-001023 | SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW | |
| 1 | 6003-001026 | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK) | |
| 1 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 1 | 6005-001003 | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | |
| 1 | 6005-001004 | SCREW-WOOD;HH,+,M4,L27,BLK,SWRCH18A | |
| 1 | 6009-001296 | SCREW-SPECIAL;BH,+,-,M4,L12(11),ZPC(BLK) | |
| 1 | 6002-000522 | SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR | |
| 1 | BP69-00020A | PACKING CASE-OUT;43T7,H-3 YEL,C3,1045,63 | |
| 1 | BP69-00021A | PACKING-COVER,BOT;43T7,H-3 AB,C3,YEL,965 | |
| 1 | AA69-01652A | CUSHION-SET;43T7,PS FOAMED,C=0.02 | |
| 1 | BP59-00008A | REMOCON;,TM65A,COMMOANDO,J54A,49,L/GRAY, | |
| 1 | BP68-00092A | MANUAL USERS;SP43T7HF,BG,W/P100G,J54A,B5 | |
| 1 | AA68-02415A | CARD-RTF;COLORIT 54 CREMA,MOJO80G,SPA,A | |
| 1 | AA68-50509A | LABEL-BOX;A/P 90(G),ALL MODEL,-,WHT,L250 | |
| 1 | AA68-00526A | LABEL-RATING;ART PAPER(90),ALL MODEL,LAM | |
| 1 | AA68-00340A | LABEL-WARRANTY;-,-,-,WHT,75MM,20 | |
| 1 | AA68-00344A | LABEL-TRANSFER BOX;-,TF-53B | |
| 1 | AC68-00347A | LABEL-TRANSFER RATING;ALTA RESISTENCI | |
| 1 | AA68-00345A | LABEL-TRANSFER WARRANTY;-,TF-53B5D | |
| 1 | AC68-00285A | LABEL-TAPE TRANSPARENT;SESA,A/P,T0.3, | |
| 1 | AA68-01070A | LABEL-MODEL;-,A/P,-,30,20,-,-,-,ALL MODE | |
| 1 | AA68-50523A | LABEL-BACK,DOLBY;A/P 100(G),CW764AHD,DOL | |
| 1 | 0203-000402 | TAPE-KRAFT;KRAFT,T0.17,W18,L50,BLK | |
| 1 | AA02-00022A | TAPE ETC;SESA,T0.3,75,132,BLK | |
| 1 | 0203-001329 | TAPE-OPP MASKING;ANT-300P,T0.07,W15.0,L5 | |
| 1 | 0201-001059 | ADHESIVE-SIL;#9590,WHT,-,CARTRIGE | |
| 1 | AA69-00862A | BAG PE;-,HDPE PE FOAM,T0.03,W400,H240 | |
| 1 | AA69-00744L | BAG-SHEET;-,HDPE PE FOAM,T0.015,W1650,H1 | |
| 1 | 4301-000120 | BATTERY-MN;1.5V,-,AA,14.5x50mm,- | |
| 1 | AA63-70002B | SHEET;,PE-FOAM,T1.0,50G | |

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

# 3-2 SP48T7HF1X/BOB

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | BP91-00525A | ASSY CPT-R;SP43T7HPX/XEF,J54A | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | AA61-00809B | HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00125B | SPACER-CRT;PROJ,SILICONE,D/GRAY | |
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| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
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| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
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| 2 | AA67-00158A | LENS;,DELTA 240,GREEN,C-ELEMENT | |
| 2 | AA67-10071A | LENS;DELTA 77 79,-,GREEN,C ELEMENT, | |
| 2 | AA67-00189A | LENS;DELTA71,GREEN C ELEMENT | |
| 2 | AA67-00147A | LENS-ASSY;,DELTA 78,CLEAR A/B | |
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| 1 | BP91-00527A | ASSY CPT-B;SP43T7HPX/XEF,J54A | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
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| 2 | AA61-00809B | HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00125B | SPACER-CRT;PROJ,SILICONE,D/GRAY | |
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| 2 | AA33-00018A | MAGNET CONVERGENCE;JH 92LT - 36F,-,29.1M | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
| 2 | AA61-00847A | CASE-COUPLER,B;DP,PROJ,AA61-00808B | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 2 | AA03-00202A | CRT MONO;P16LSG03BMB,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00156A | LENS;,DELTA 240,CLEAR,C-ELEMENT | |
| 2 | AA67-10007A | LENS;-,-,DELTA,77,CLEAR,S4388,- | |
| 2 | AA67-00190A | LENS;DELTA71,CLEAR C ELEMENT | |
| 2 | AA67-00147A | LENS-ASSY;,DELTA 78,CLEAR A/B | |
| | | | |
| 1 | BP91-00245M | ASSY CHASSIS;SP43T7HFS,J54A,C2.0 | |
| 1 | AA95-01841C | ASSY SUB-PCB,SENSOR;DP,PCL545R,P54A,AA95 | |
| 1 | BP94-00239A | ASSY PCB MISC-DY-JACK;DP,HCM4215W3S/XAA, | |
| 1 | BP94-00328A | ASSY PCB MISC-CONTROL POWER;DP,SP43T7HPS | |
| 1 | BP94-00238A | ASSY PCB MISC-VM;DP,HCM4215W3S/XAA,P55A | |
| 1 | BP94-00353A | ASSY PCB MISC-A/V FRONT;DP, SP43T7HPS/XE | |
| 1 | BP94-00382A | ASSY PCB MISC-SUB AMP;DP,SP43T7HFS,J54A, | |
| 1 | BP94-00383A | ASSY PCB MISC-CG-AMP;DP,SP43T7HFS,J54A,C | |
| 1 | BP94-00442B | ASSY PCB MISC-SPK TERMINAL;DP, BP96-0003 | |
| 1 | BP94-00329A | ASSY PCB MISC-CONTROL SIDE;DP,SP43T7HPS/ | |
| | | | |
| 1 | BP94-00257A | ASSY PCB CRT-PCB;DP,SP42W5HFS/XEF,J54A | |
| 2 | AA59-00171A | MODULE-FOCUS,PACK;SVP-5200,S300-P3,-,-,- | |
| 2 | AA39-20577B | LEAD CONNECTOR ASSY;P54A/SVP-55W3HD,UL16 | |
| 1 | AA40-00051A | TUNER;TCPW3001PC18B(S),TCPW3001PC18B(S), | |
| 1 | AA40-00050A | TUNER;TCLW3101PD18A(S),TCLW3101PD18A(S), | |
| 1 | AA96-20130A | ASSY-POWER,CORD;-,CP2/NO(4.0R),H/C150,KJ | |
| 1 | AA39-30007A | IF-CABLE;-,T,100mm,1365#26 | |
| 1 | AA39-00006A | CABLE-RCA;-,RCA,3000MM,0.12/10,RED/WHT/Y | |
| | | | |
| 1 | BP98-00244A | ASSY K/D-CABINET,WOOD;43T7, AA64-02731C, | |
| 2 | AA60-10051A | SCREW-WOOD;-,SWRCH18A,M4,L16,PH,+,-,-,ZP | |
| 2 | AA60-10051B | SCREW-WOOD;-,SWRCH18A,M3.5,L11,RH,+,-,-, | |
| 2 | AA61-00094C | HOLDER-RAIL;PCJ533R,ABS,-,-,-,BLK,HB,480 | |
| 2 | AA61-00097A | HOLDER-WIRE;-,NYLON 6/6,-,-,-,NTR,- | |
| 2 | AA61-00508D | HOLDER-JERSEY;W3,ABS V0,GRAY,G4309 | |
| 2 | AA61-00533B | BRACKET-GRILLE;43,54,62J8,SECC-1 ,T0.5,- | |
| 2 | AA61-00616B | HOLDER-CRT,MAIN;54J7,DP,-,-,-,-,AA61-005 | |
| 2 | AA61-00864A | HOLDER-PCB;W3,HIPS,V0,BLK | |
| 2 | AA61-01133A | VELCRO-B;COMMANDO,BST1 1/4H | |
| 2 | AA61-01213A | BRACKET-GRILLE;43T7,SECC,T0.5 | |
| 2 | AA61-10247A | BRACKET-FOCUS;S46DS,SECC,T1.0,-,-,-,- | |
| 2 | AA64-02731C | CABINET-WOOD;43T7,WOOD,SDE8336R XGA | |
| 2 | AA65-00014B | CLAMPER CORE-WIRE;GPM-51A,PP,HB,-,BLK,- | |
| 2 | BP61-00019A | HOLDER-PALLET;42W5,HIPS HB,BLK | |
| 2 | 3001-001353 | SPEAKER;25W,8OHM,90DB+/-3DB,60HZ+/-12HZ | |
| 2 | 3001-001107 | SPEAKER;20W,8ohm,95dB,1300Hz | |
| 2 | AA39-00086A | LEAD CONNECTOR-ASSY;,2.2UF,REC,REC,200MM | |
| 2 | AA98-00049A | ASSY-LEAD,CON;-,LEAD-CON,CORE,AA39-20505 | |
| 3 | 3301-001201 | CORE-FERRITE;AE,21x11x32mm,1500,280G | |
| 2 | AA61-00617B | BRACKET-CRT,MAIN;DP,54J7,AA61-00475B | |
| 2 | 6006-001094 | SCREW-ASS'Y WOOD;WW,HH,+,M7,L32,ZPC(YEL) | |
| 2 | AA61-00618C | GUIDE-FLOW;54J8,J7,ABS,IVORY,V0 | |
| | | | |
| 1 | BP96-00016H | ASSY COVER P-CAINET MASK;DP,43T7,AA64-02 | |
| 2 | AA64-02733E | CABINET-FRONT,MASK TOP;43T7HF,HIPS,HB,G4 | |
| | | | |
| 1 | BP64-00017B | CABINET-BACK,BOT;DP,43T7,AA64-02735B | |
| 1 | BP64-00016A | CABINET-BACK,TOP;DP,43T7,AA64-02734A | |
| 1 | BP64-00015B | CABINET-FRONT,BOT;DP,43T7 EUR,AA64-02732 | |
| 1 | AA67-00195A | SCREEN-TINT;43,908*690,T=0.73,P=0.52 | |
| 1 | AA67-00115B | SCREEN-FRESNEL;43N,-,T2,910*692,-,-,- | |
| 1 | AA67-00129A | SUN SCREEN-AG;43J8,T=82%,910*692*2,G=110 | |
| 1 | BP61-00016A | BRACKET-SCREEN,TB;DP,43T7,AA61-01124A | |
| 1 | BP61-00017A | BRACKET-SCREEN,RL;DP,43T7,AA61-01125A | |
| 1 | BP61-00012A | BRACKET-MIRROR;DP,42W5,AA61-01123A,11.8K | |
| 1 | AA60-00072C | SPACER-COVER,DUST;43T7,SPONGE 94HF-1,T3. | |
| 1 | AA63-60122J | SPACER-FELT;SPD-50P3H,FELT,L530,D20,T0.3 | |
| 1 | BP73-00004A | RUBBER-CAP;42W5,SILICONE,WHT,RUBBER | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | AA67-00205D | MIRROR-BACK;DP,43T7,SSM,795*569*554*(78) | |
| 1 | AA26-00101A | TRANS FBT;FWZ50A001E/FFA97513B,12KV,5P,- | |
| 1 | BP39-00009A | LEAD CONNECTOR ASSY;P54A/SVP-42W5,UL2547 | |
| 1 | BP39-00036A | LEAD CONNECTOR;J54A/SP42W5HP,UL2547#26,U | |
| 1 | BP39-00048A | LEAD CONNECTOR;P55A/SVP-47W3HRT,UL1617#2 | |
| 1 | AA61-00049B | HOLDER-BOX;-,PP,-,-,-,NTR,V0,AA61-20285A | |
| 1 | BP61-00043B | HOLDER-SENSOR;W9,PC HB,VIOLET | |
| 1 | BP61-00052A | HOLDER-WIRE;PJTV,NYLON,66,NATURAL | |
| 1 | AA64-60449B | INLAY-COVER;SP-434JMF,PS,T0.5,149.3X69.5 | |
| 1 | BP64-00044A | INLAY-VENT;43T7,PS SHEET,T0.5 | |
| 1 | AA65-30018A | CLAMP-WIRE;DONG-A,NYLON-66,-,-,-,DATL-60 | |
| 1 | AA65-30105A | CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2, | |
| 1 | AA65-00020A | CLAMP CORE-WIRE;55W9,NYLON 66 | |
| 1 | AA65-30008A | CLAMP-CORD;-,PE,HB,-,BLK,- | |
| 1 | AA65-30013A | CLAMP-WIRE;-,NYLON-6 | |
| 1 | AA65-30111A | CLAMP-WIRE;ALL MODEL,NYLON,V0,-,WHT,1T 1 | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | AA63-10007B | BAND-PP;W18,CLEA | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | 6003-001023 | SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW | |
| 1 | 6003-001026 | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK) | |
| 1 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 1 | 6005-001003 | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | |
| 1 | 6005-001004 | SCREW-WOOD;HH,+,M4,L27,BLK,SWRCH18A | |
| 1 | 6009-001296 | SCREW-SPECIAL;BH,+,-,M4,L12(11),ZPC(BLK) | |
| 1 | 6002-000522 | SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR | |
| 1 | BP69-00020A | PACKING CASE-OUT;43T7,H-3 YEL,C3,1045,63 | |
| 1 | BP69-00021A | PACKING-COVER,BOT;43T7,H-3 AB,C3,YEL,965 | |
| 1 | AA69-01652A | CUSHION-SET;43T7,PS FOAMED,C=0.02 | |
| 1 | BP59-00008A | REMOCON;,TM65A,COMMOANDO,J54A,49,L/GRAY, | |
| 1 | BP68-00099A | MANUAL USERS;SP43T7HF,GE,W/100G,J54A,B5, | |
| 1 | AA68-50509A | LABEL-BOX;A/P 90(G),ALL MODEL,-,WHT,L250 | |
| 1 | AA68-00526A | LABEL-RATING;ART PAPER(90),ALL MODEL,LAM | |
| 1 | AA68-00340A | LABEL-WARRANTY;-,-,-,WHT,75MM,20 | |
| 1 | AA68-00344A | LABEL-TRANSFER BOX;-,TF-53B | |
| 1 | AC68-00347A | LABEL-TRANSFER RATING;ALTA RESISTENCI | |
| 1 | AA68-00345A | LABEL-TRANSFER WARRANTY;-,TF-53B5D | |
| 1 | AC68-00285A | LABEL-TAPE TRANSPARENT;SESA,A/P,T0.3, | |
| 1 | AA68-01070A | LABEL-MODEL;-,A/P,-,30,20,-,-,-,ALL MODE | |
| 1 | AA68-50523A | LABEL-BACK,DOLBY;A/P 100(G),CW764AHD,DOL | |
| 1 | AA68-02415A | CARD-RTF;COLORIT 54 CREMA,MOJO80G,SPA,A | |
| 1 | 0203-000402 | TAPE-KRAFT;KRAFT,T0.17,W18,L50,BLK | |
| 1 | AA02-00022A | TAPE ETC;SESA,T0.3,75,132,BLK | |
| 1 | 0203-001329 | TAPE-OPP MASKING;ANT-300P,T0.07,W15.0,L5 | |
| 1 | 0201-001059 | ADHESIVE-SIL;#9590,WHT,-,CARTRIGE | |
| 1 | AA69-00862A | BAG PE;-,HDPE PE FOAM,T0.03,W400,H240 | |
| 1 | AA69-00744L | BAG-SHEET;-,HDPE PE FOAM,T0.015,W1650,H1 | |
| 1 | 4301-000120 | BATTERY-MN;1.5V,-,AA,14.5x50mm,- | |
| 1 | AA63-70002B | SHEET;,PE-FOAM,T1.0,50G | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

## 3-3 SP42W5HFX/XEU

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | AA91-04077A | ASSY CPT-R;,P16LSG03RJA,42,VENUS,D7 | |
| 1 | AA91-04078A | ASSY CPT-G;,P16LSG03HKA,42,VENUS,D7 | |
| 1 | AA91-04079A | ASSY CPT-B;,P16LSG03BMB,42,VENUS,D7 | |
| 1 | AA91-04093A | ASSY CHASSIS;SP42W5HFX/XEF,J52A | |
| 1 | AA94-08401A | ASSY PCB CRT;SP42W5HFX/XEF,J52A,DP | |
| 1 | AA94-08448A | ASSY PCB MISC-A/V FRONT;SP42W5HFS/XEF,J5 | |
| 1 | AA94-08457A | ASSY PCB MISC-A/V TERMINAL;SP42W5HFS/XEF | |
| 1 | AA94-08458A | ASSY PCB MISC-SUB-AMP;SP42W5HFS/XEF,J52A | |
| 1 | AA95-01841C | ASSY SUB-PCB,SENSOR;DP,PCL545R,P54A,AA95 | |
| 1 | AA94-11168E | ASSY PCB MISC-V/M;PCL5415R3S/XAA,P54A, | |
| 1 | AA59-00171A | MODULE-FOCUS,PACK;SVP-5200,S300-P3,-,-,- | |
| 1 | AA96-20130G | ASSY POWER CORD;,CP2/NO(4.0R),H/C 2 | |
| | | | |
| 1 | BP91-00005C | ASSY CABINET WOOD; WOOD,EUP,42W5 | |
| 2 | AA64-02724A | CABINET-WOOD;42W5,WOOD,SDE8336R | |
| 2 | AA61-00616B | HOLDER-CRT,MAIN;54J7,DP,-,-,-,-,AA61-005 | |
| 2 | AA61-00097A | HOLDER-WIRE;-,NYLON 6/6,-,-,-,NTR,- | |
| 2 | BP61-00075A | HOLDER-JERSEY,ASSY;W3,ABS V0,GRAY,63-000 | |
| 2 | AA61-00094C | HOLDER-RAIL;PCJ533R,ABS,-,-,-,BLK,HB,480 | |
| 2 | BP61-00019A | HOLDER-PALLET;42W5,HIPS HB,BLK | |
| 2 | AA61-00533B | BRACKET-GRILLE;43,54,62J8,SECC-1 ,T0.5,- | |
| 2 | 3001-001107 | SPEAKER;20W,8ohm,95dB,1300Hz | |
| 2 | 3001-000279 | SPEAKER;30W,8OHM,91DB,20HZ | |
| 2 | AA98-00049A | ASSY-LEAD,CON;-,LEAD-CON,CORE,AA39-20505 | |
| 3 | 3301-001201 | CORE-FERRITE;AE,21x11x32mm,1500,280G | |
| 2 | AA39-00086A | LEAD CONNECTOR-ASSY;,2.2UF,REC,REC,200MM | |
| 2 | AA60-10051A | SCREW-WOOD;-,SWRCH18A,M4,L16,PH,+,-,-,ZP | |
| 2 | AA61-00864A | HOLDER-PCB;W3,HIPS,V0,BLK | |
| 2 | BP61-00035A | BRACKET-GRILLE;42W5,SECC-1,T1.0 | |
| 2 | AA61-00617B | BRACKET-CRT,MAIN;DP,54J7,AA61-00475B | |
| 2 | 6006-001094 | SCREW-ASS'Y WOOD;WW,HH,+,M7,L32,ZPC(YEL) | |
| 2 | AA61-00618C | GUIDE-FLOW;54J8,J7,ABS,IVORY,V0 | |
| | | | |
| 1 | BP96-00013A | ASSY COVER P-C/FRONT,MASK;DP,42W5,HIPS H | |
| 2 | AA64-02727C | CABINET-FRONT,MASK TOP;42W5,HIPS,HB,G430 | |
| 2 | AA61-01133A | VELCRO-B;COMMANDO,BST1 1/4H | |
| 2 | AA64-02211E | BADGE-BRAND;72MM,AL FORGING,SVM1132,SAMS | |
| 2 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| | | | |
| 1 | BP96-00014A | ASSY C/FRONT BOTTOM; DP,42W5,HIPS HB | |
| 2 | AA64-02725A | CABINET-FRONT,BOT;42W5,HIPS,HB,G4309,SVM | |
| 2 | AA64-02743A | BADGE-DECORATION;42W5,AL,NI | |
| 2 | BP73-00001A | RUBBER-SHEET;42W5,NBB RUBBER,GRAY,10*20 | |
| 2 | AA61-01132A | VELCRO-A;COMMANDO,BST1 1/4H | |
| 2 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| | | | |
| 1 | AA96-01135A | ASSY COVER P;42W5 | |
| 2 | BP64-00013A | CABINET-FRONT,PANEL CONTROL;DP,42W5,AA64 | |
| 2 | AA64-02740A | KNOB-POWER;42W5,ABS,HB,G3676,COT | |
| 2 | AA61-60003J | SPRING-CS;-,SUS304,-,-,OD6, | |
| 2 | AA64-02742A | WINDOW-RMC,LED;42W5,PC,CLR | |
| 2 | BP64-00011A | KNOB-CONTROL;DP,42W5,AA64-02739A 10.5KG | |
| 2 | AA61-01130A | GUIDE-KNOB,CONTROL;42W5,ABS HB,G3676,SVM | |
| 2 | AA94-08320A | ASSY PCB MISC-CONTROL;SP42W5HFS/XEF,J52A | |
| 2 | AA61-20129A | HOLDER-WIRE;-,NYLON-66,-,-,-,NTR,DAFC-25 | |
| 2 | AA61-01132A | VELCRO-A;COMMANDO,BST1 1/4H | |
| 2 | AA61-01133A | VELCRO-B;COMMANDO,BST1 1/4H | |
| 2 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| 2 | 6003-001023 | SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW | |
| 2 | BP64-00035F | INLAY-DECORATION;42W5,AL,T0.4,SESA 1POLE | |
| | | | |
| 1 | BP64-00008E | CABINET-BACK,BOT;DP,42W5,AA64-02729C 19. | |
| 1 | BP64-00009A | CABINET-BACK,TOP;DP,42W5,AA64-02728A 38. | |
| 1 | AA40-00094A | TUNER;TCLW3101PD16A(S),PAL/SECAM,181 | |
| 1 | AA40-00095A | TUNER;TCPW3001PC16A(S),PAL/SECAM,181 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | AA39-30007B | IF-CABLE;-,T,150mm,1365#26 | |
| 1 | AA67-00204C | MIRROR-FRONT;DP,42W5,FSM,870*633*446 | |
| 1 | BP61-00012A | BRACKET-MIRROR;DP,42W5,AA61-01123A,11.8K | |
| 1 | BP61-00010A | BRACKET-SCREEN,TB;DP,42W5,AA61-01121A,26 | |
| 1 | BP61-00011A | BRACKET-SCREEN,RL;DP,42W5,AA61-01122A,13 | |
| 1 | AA67-00193A | SCREEN-TINT;42W,958*550,T=0.73,P=052 | |
| 1 | AA67-00193B | SCREEN-FRESNEL;42W,960*552,T=2.0 | |
| 1 | AA67-00207A | SCREEN-FILTER;,T=82%,960*552*2,G=110,AG | |
| 1 | BP39-00009A | LEAD CONNECTOR ASSY;P54A/SVP-42W5,UL2547 | |
| 1 | AA39-00285A | LEAD CONNECTOR; PJTV 42 W5 | |
| 1 | BP65-00001B | TERMINAL-BOARD,ANT;,DP,42W5,SESA,AA65-00 | |
| 1 | AA26-00101A | TRANS FBT;FWZ50A001E/FFA97513B,12KV,5P,- | |
| 1 | AA61-00049B | HOLDER-BOX;-,PP,-,-,-,NTR,V0,AA61-20285A | |
| 1 | BP61-00043B | HOLDER-SENSOR;W9,PC HB,VIOLET | |
| 1 | AA64-60449B | INLAY-COVER;SP-434JMF,PS,T0.5,149.3X69.5 | |
| 1 | BP64-00029A | INLAY-SUPPORT;42W5,PS SHEET,T0.5,94V0 | |
| 1 | AA65-30013A | CLAMP-WIRE;-,NYLON-6 | |
| 1 | AA65-30018A | CLAMP-WIRE;DONG-A,NYLON-66,-,-,-,DATL-60 | |
| 1 | AA65-30104B | CLAMP-WIRE;ALL MODEL,NYLON 66,V2,-,BLK,W | |
| 1 | AA65-30008A | CLAMP-CORD;-,PE,HB,-,BLK,- | |
| 1 | BP61-00052A | HOLDER-WIRE;PJTV,NYLON,66,NATURAL | |
| 1 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| 1 | 6003-001022 | SCREW-TAPTITE;RH,+,B,M3,L12,ZPC(BLK),SWR | |
| 1 | 6003-001026 | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK) | |
| 1 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 1 | 6005-001003 | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | |
| 1 | 6003-001339 | SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR | |
| 1 | AA63-70002B | SHEET;,PE-FOAM,T1.0,50G | |
| 1 | 0201-001059 | ADHESIVE-SIL;#9590,WHT,-,CARTRIGE | |
| 1 | 0203-001329 | TAPE-OPP MASKING;ANT-300P,T0.07,W15.0,L5 | |
| 1 | AA60-00072B | SPACER-COVER,DUST;43,54,62J9,SPONGE 94HF | |
| 1 | BP73-00004A | RUBBER-CAP;42W5,SILICONE,WHT,RUBBER | |
| 1 | AA69-01678A | PACKING-COVER,BOT;42W5,H-3 AB,C3,YEL,910 | |
| 1 | BP69-00019D | PACKING CASE-OUT;42W4,H-3 YEL,C3,SESA | |
| 1 | AA69-01651A | CUSHION-SET;42W5,PS FOAMED,C=0.02 | |
| 1 | AA59-00220A | REMOCON;,TM63,SHARK,51,L/GRAY,EAST ASI | |
| 1 | AA68-01778A | I/B PJTV (RPM 995) | |
| 1 | 6801-001014 | CARD REGISTRATION;XEU,ENG,MOJO100,L150,W | |
| 1 | AA39-40001B | CABLE-RCA;,1500MM | |
| 1 | 4301-000115 | BATTERY-ALKALINE;1.5V,750mAH,AAA,10. | |
| 1 | AA68-50523A | LABEL-BACK,DOLBY;A/P 100(G),CW764AHD,DOL | |
| 1 | AA68-50509A | LABEL-BOX;A/P 90(G),ALL MODEL,-,WHT,L250 | |
| 1 | AA68-00344A | LABEL-TRANSFER BOX;-,TF-53B | |
| 1 | AA68-00526A | LABEL-RATING;ART PAPER(90),ALL MODEL,LAM | |
| 1 | AC68-00347A | LABEL-TRANSFER RATING;ALTA RESISTENCI | |
| 1 | AA68-00340A | LABEL-WARRANTY;-,-,-,WHT,75MM,20 | |
| 1 | AA68-00345A | LABEL-TRANSFER WARRANTY;-,TF-53B5D | |
| 1 | AA69-00862A | BAG PE;-,HDPE PE FOAM,T0.03,W400,H240 | |
| 1 | AA69-00744L | BAG-SHEET;-,HDPE PE FOAM,T0.015,W1650,H1 | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | 0203-000402 | TAPE-KRAFT;KRAFT,T0.17,W18,L50,BLK | |
| 1 | AA68-02415A | CARD-RTF;COLORIT 54 CREMA,MOJO80G,SPA,A | |
| 1 | AA02-00022A | TAPE ETC;SESA,T0.3,75,132,BLK | |
| 1 | AA65-00020A | CLAMP CORE-WIRE;55W9,NYLON 66 | |
| 1 | AA69-01876A | PALLET;ALL MODEL,WOOD,600,1200,120 | |
| 1 | AA39-20577B | LEAD CONNECTOR ASSY;P54A/SVP-55W3HD,UL16 | |
| 1 | AC68-00285A | LABEL-TAPE TRANSPARENT;SESA,A/P,T0.3, | |
| 1 | AA63-10007B | BAND-PP;W18,CLEA | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr

# 3-4 SP42W5HF1X/XEG

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 1 | BP91-00453A | ASSY CPT-R;SP42W5HPX/XEU,J54A,CRT-R ASSY | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | BP61-00091A | HOLDER-CRT;PJTV,PCABS GF20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00128B | SPACER-CRT;PROJ(65),SILICONE,D/GRAY | |
| 2 | AA39-00018A | LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P | |
| 2 | AA33-00016A | MAGNET CONVERGENCE;JH 92LT - 29F,-,29.1M | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
| 2 | AA61-00845A | CASE-COUPLER,R;DP,PROJ,AA61-00806B | |
| 2 | AA03-00200A | CRT MONO;P16LSG03RJA,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00157A | LENS;,DELTA 240,RED,C-ELEMENT | |
| 2 | AA67-10008A | LENS;-,-,DELTA,77,RED,S4388,- | |
| 2 | AA67-00188A | LENS;DELTA71,RED C ELEMENT | |
| 2 | AA67-00187A | LENS-ASSY;DELTA71,CLEAR A/B | |
| | | | |
| 1 | BP91-00454A | ASSY CPT-G;SP42W5HPX/XEU,J54A,CRT-G ASSY | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | AA61-00809B | HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00125B | SPACER-CRT;PROJ,SILICONE,D/GRAY | |
| 2 | AA39-00018A | LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |
| 2 | AA61-00846A | CASE COUPLER G;DP,PROJ,AA61-00807B | |
| 2 | AA03-00201A | CRT MONO;P16LSG03HKA,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00158A | LENS;,DELTA 240,GREEN,C-ELEMENT | |
| 2 | AA67-10071A | LENS;DELTA 77 79,-,GREEN,C ELEMENT, | |
| 2 | AA67-00189A | LENS;DELTA71,GREEN C ELEMENT | |
| 2 | AA67-00187A | LENS-ASSY;DELTA71,CLEAR A/B | |
| | | | |
| 1 | BP91-00455A | ASSY CPT-B;SP42W5HPX/XEU,J54A,CRT-B ASSY | |
| 2 | BP61-00079A | HOLDER-DY;,PJTV,T0.5,NYLON66 V2 | |
| 2 | AA91-00735B | ASSY-BRKT,CRT;DP,AA91-00722A,PROJ | |
| 2 | AA63-00076A | SPACER-LENS;FELT ,T1.0,GRAY,7CRT,PROJEC | |
| 2 | AA61-00810B | HOLDER-CAP;PROJ,PC,CLR | |
| 2 | BP61-00091A | HOLDER-CRT;PJTV,PCABS GF20%,BLK | |
| 2 | AA61-00056B | BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-, | |
| 2 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 2 | AA60-00127B | SPACER-LENS;PROJ,SILICONE,D/GRAY | |
| 2 | AA60-00126B | SPACER-CAP;PROJ,EPDM,BLK | |
| 2 | AA60-00128B | SPACER-CRT;PROJ(65),SILICONE,D/GRAY | |
| 2 | AA39-00018A | LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P | |
| 2 | AA33-00018A | MAGNET CONVERGENCE;JH 92LT - 36F,-,29.1M | |
| 2 | AA27-00278A | DEFLECTION YOKE;-,PT-S0712AC,S/S,PJTCRT( | |
| 2 | AA26-30006F | FLYBACK;*WIRE*-,FWZ-50A001C,55,30KV | |
| 2 | 0204-001148 | ETHYLENE GLYCOL;MS-S02,CH20HCH20H,80,20 | |
| 2 | 0203-001303 | TAPE-ACETATE;#1554,T0.25MM,W19MM,L30M,WH | |
| 2 | 0201-001030 | ADHESIVE-SIL;SE9178,GRY,NON-FLOW,UL94V0 | |

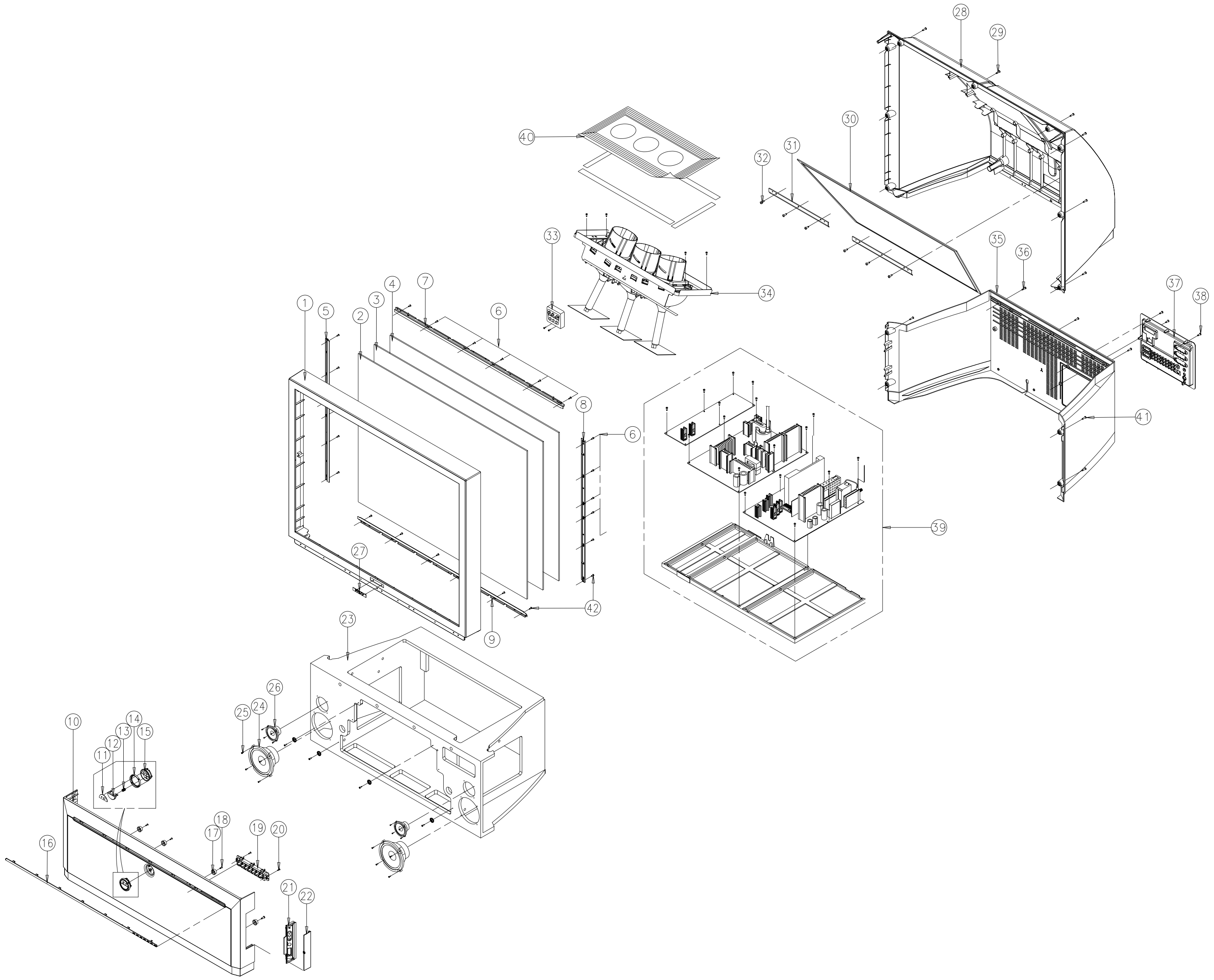
| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 2 | AA61-00847A | CASE-COUPLER,B;DP,PROJ,AA61-00808B | |
| 2 | AA03-00202A | CRT MONO;P16LSG03BMB,-,7inch,-,-,-,FLAT | |
| 2 | AA67-00156A | LENS;,DELTA 240,CLEAR,C-ELEMENT | |
| 2 | AA67-10007A | LENS;-,-,DELTA,77,CLEAR,S4388,- | |
| 2 | AA67-00190A | LENS;DELTA71,CLEAR C ELEMENT | |
| 2 | AA67-00187A | LENS-ASSY;DELTA71,CLEAR A/B | |
| | | | |
| 1 | BP91-00245V | ASSY CHASSIS;SP42W5HF1S/XEF,J54A,C2.0 | |
| 1 | AA95-01841C | ASSY SUB-PCB,SENSOR;DP,PCL545R,P54A,AA95 | |
| 1 | BP94-00193A | ASSY PCB MISC-A/V FRONT;DP,SP42W5HPS/XEU | |
| 1 | BP94-00238A | ASSY PCB MISC-VM;DP,HCM4215W3S/XAA,P55A | |
| 1 | BP94-00239A | ASSY PCB MISC-DY-JACK;DP,HCM4215W3S/XAA, | |
| 1 | BP94-00382A | ASSY PCB MISC-SUB AMP;DP,SP43T7HFS,J54A, | |
| 1 | BP94-00383A | ASSY PCB MISC-CG-AMP;DP,SP43T7HFS,J54A,C | |
| 1 | BP94-00442B | ASSY PCB MISC-SPK TERMINAL;DP, BP96-0003 | |
| | | | |
| 1 | BP94-00257A | ASSY PCB CRT-PCB;DP,SP42W5HFS/XEF,J54A | |
| 2 | AA59-00171A | MODULE-FOCUS,PACK;SVP-5200,S300-P3,-,-,- | |
| 2 | AA39-20577B | LEAD CONNECTOR ASSY;P54A/SVP-55W3HD,UL16 | |
| 1 | AA40-00050A | TUNER;TCLW3101PD18A(S),TCLW3101PD18A(S), | |
| 1 | AA40-00051A | TUNER;TCPW3001PC18B(S),TCPW3001PC18B(S), | |
| 1 | BP64-00008E | CABINET-BACK,BOT;DP,42W5,AA64-02729C 19. | |
| 1 | BP64-00009A | CABINET-BACK,TOP;DP,42W5,AA64-02728A 38. | |
| | | | |
| 1 | BP96-00014A | ASSY C/FRONT BOTTOM; DP,42W5,HIPS HB | |
| 2 | AA64-02725A | CABINET-FRONT,BOT;42W5,HIPS,HB,G4309,SVM | |
| 2 | AA64-02743A | BADGE-DECORATION;42W5,AL,NI | |
| 2 | BP73-00001A | RUBBER-SHEET;42W5,NBB RUBBER,GRAY,10*20 | |
| 2 | AA61-01132A | VELCRO-A;COMMANDO,BST1 1/4H | |
| 2 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| 1 | BP98-00088H | ASSY C/FRONT,MASK;SP42W5HF1S/XEF,J54 | |
| 2 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| 2 | AA61-01133A | VELCRO-B;COMMANDO,BST1 1/4H | |
| 2 | AA64-02727Q | CABINET-FRONT,MASK TOP;42W5,HIPS,HB,G430 | |
| 2 | AA64-02211E | BADGE-BRAND;72MM,AL FORGING,SVM1132,SAMS | |
| | | | |
| 1 | BP91-00005F | ASSY-CABINET,WOOD;,WOOD,42W5, DO | |
| 2 | AA60-10051A | SCREW-WOOD;-,SWRCH18A,M4,L16,PH,+,-,-,ZP | |
| 2 | AA61-00094C | HOLDER-RAIL;PCJ533R,ABS,-,-,-,BLK,HB,480 | |
| 2 | AA61-00097A | HOLDER-WIRE;-,NYLON 6/6,-,-,-,NTR,- | |
| 2 | AA61-00508D | HOLDER-JERSEY;W3,ABS V0,GRAY,G4309 | |
| 2 | AA61-00533B | BRACKET-GRILLE;43,54,62J8,SECC-1 ,T0.5,- | |
| 2 | AA61-00616B | HOLDER-CRT,MAIN;54J7,DP,-,-,-,-,AA61-005 | |
| 2 | AA61-00864A | HOLDER-PCB;W3,HIPS,V0,BLK | |
| 2 | AA64-02724A | CABINET-WOOD;42W5,WOOD,SDE8336R | |
| 2 | BP61-00019A | HOLDER-PALLET;42W5,HIPS HB,BLK | |
| 2 | BP61-00035A | BRACKET-GRILLE;42W5,SECC-1,T1.0 | |
| 2 | AA61-10247A | BRACKET-FOCUS;S46DS,SECC,T1.0,-,-,-,- | |
| 2 | AA60-10051B | SCREW-WOOD;-,SWRCH18A,M3.5,L11,RH,+,-,-, | |
| 2 | 3001-000279 | SPEAKER;30W,8OHM,91DB,20HZ | |
| 2 | 3001-001107 | SPEAKER;20W,8ohm,95dB,1300Hz | |
| 2 | AA39-00086A | LEAD CONNECTOR-ASSY;,2.2UF,REC,REC,200MM | |
| 2 | AA98-00049B | ASSY-LEAD,CON;-,LEAD-CON,CORE,AA39-20505 | |
| 2 | AA61-00617B | BRACKET-CRT,MAIN;DP,54J7,AA61-00475B | |
| 2 | 6006-001094 | SCREW-ASS'Y WOOD;WW,HH,+,M7,L32,ZPC(YEL) | |
| 2 | AA61-00618C | GUIDE-FLOW;54J8,J7,ABS,IVORY,V0 | |
| | | | |
| 1 | BP98-00090D | ASSY PANEL CONTROL;SP42W5HPS/XEU,P5 | |
| 2 | BP64-00013A | CABINET-FRONT,PANEL CONTROL;DP,42W5,AA64 | |
| 2 | AA64-02740A | KNOB-POWER;42W5,ABS,HB,G3676,COT | |
| 2 | AA61-60003J | SPRING-CS;-,SUS304,-,-,OD6, | |
| 2 | AA64-02742A | WINDOW-RMC,LED;42W5,PC,CLR | |
| 2 | BP64-00011A | KNOB-CONTROL;DP,42W5,AA64-02739A 10.5KG | |
| 2 | AA61-01130A | GUIDE-KNOB,CONTROL;42W5,ABS HB,G3676,SVM | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| 2 | BP94-00194A | ASSY PCB MISC-CONTROL;DP,SP42W5HPS/XEU,J | |
| 2 | AA61-20129A | HOLDER-WIRE;-,NYLON-66,-,-,-,NTR,DAFC-25 | |
| 2 | AA61-01132A | VELCRO-A;COMMANDO,BST1 1/4H | |
| 2 | AA61-01133A | VELCRO-B;COMMANDO,BST1 1/4H | |
| 2 | 6003-001019 | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | |
| 2 | 6003-001023 | SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW | |
| 2 | BP64-00035J | INLAY-DECORATION;42W5,AL,T0.4,PAL(COMAND | |
| 1 | AA26-00101A | TRANS FBT;FWZ50A001E/FFA97513B,12KV,5P,- | |
| 1 | AA67-00204C | MIRROR-FRONT;DP,42W5,FSM,870*633*446 | |
| 1 | BP61-00012A | BRACKET-MIRROR;DP,42W5,AA61-01123A,11.8K | |
| 1 | BP61-00010A | BRACKET-SCREEN,TB;DP,42W5,AA61-01121A,26 | |
| 1 | BP61-00011A | BRACKET-SCREEN,RL;DP,42W5,AA61-01122A,13 | |
| 1 | AA60-00072B | SPACER-COVER,DUST;43,54,62J9,SPONGE 94HF | |
| 1 | AA67-00193A | SCREEN-TINT;42W,958*550,T=0.73,P=052 | |
| 1 | AA67-00193B | SCREEN-FRESNEL;42W,960*552,T=2.0 | |
| 1 | AA67-00207A | SCREEN-FILTER;,T=82%,960*552*2,G=110,AG | |
| 1 | BP61-00043B | HOLDER-SENSOR;W9,PC HB,VIOLET | |
| 1 | BP61-00052A | HOLDER-WIRE;PJTV,NYLON,66,NATURAL | |
| 1 | AA61-00049B | HOLDER-BOX;-,PP,-,-,-,NTR,V0,AA61-20285A | |
| 1 | BP64-00029A | INLAY-SUPPORT;42W5,PS SHEET,T0.5,94V0 | |
| 1 | AA64-60449B | INLAY-COVER;SP-434JMF,PS,T0.5,149.3X69.5 | |
| 1 | BP73-00004A | RUBBER-CAP;42W5,SILICONE,WHT,RUBBER | |
| 1 | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,- | |
| 1 | AA65-30013A | CLAMP-WIRE;-,NYLON-6 | |
| 1 | AA65-30018A | CLAMP-WIRE;DONG-A,NYLON-66,-,-,-,DATL-60 | |
| 1 | AA65-00020A | CLAMP CORE-WIRE;55W9,NYLON 66 | |
| 1 | AA65-30105A | CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2, | |
| 1 | AA65-30111A | CLAMP-WIRE;ALL MODEL,NYLON,V0,-,WHT,1T 1 | |
| 1 | AA65-30008A | CLAMP-CORD;-,PE,HB,-,BLK,- | |
| 1 | 6005-001003 | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | |
| 1 | 6003-001026 | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK) | |
| 1 | 6003-001023 | SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW | |
| 1 | 6005-001003 | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | |
| 1 | 6003-001339 | SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR | |
| 1 | AA60-10011A | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | |
| 1 | AA96-20130A | ASSY-POWER,CORD;-,CP2/NO(4.0R),H/C150,KJ | |
| 1 | AA39-30007A | IF-CABLE;-,T,100mm,1365#26 | |
| 1 | BP39-00036A | LEAD CONNECTOR;J54A/SP42W5HP,UL2547#26,U | |
| 1 | BP39-00048A | LEAD CONNECTOR;P55A/SVP-47W3HRT,UL1617#2 | |
| 1 | BP39-00009A | LEAD CONNECTOR ASSY;P54A/SVP-42W5,UL2547 | |
| 1 | AA39-00006A | CABLE-RCA;-,RCA,3000MM,0.12/10,RED/WHT/Y | |
| 1 | AA63-70002B | SHEET;,PE-FOAM,T1.0,50G | |
| 1 | AA69-01678A | PACKING-COVER,BOT;42W5,H-3 AB,C3,YEL,910 | |
| 1 | BP69-00019D | PACKING CASE-OUT;42W4,H-3 YEL,C3,SESA | |
| 1 | AA69-01651A | CUSHION-SET;42W5,PS FOAMED,C=0.02 | |
| 1 | BP59-00008A | REMOCON;,TM65A,COMMOANDO,J54A,49,L/GRAY, | |
| 1 | BP68-00088A | MANUAL USERS;W3,ITA,W/P100(G),1,B5,J52A, | |
| 1 | 0201-001059 | ADHESIVE-SIL;#9590,WHT,-,CARTRIGE | |
| 1 | 0203-000402 | TAPE-KRAFT;KRAFT,T0.17,W18,L50,BLK | |
| 1 | AA02-00022A | TAPE ETC;SESA,T0.3,75,132,BLK | |
| 1 | 0203-001329 | TAPE-OPP MASKING;ANT-300P,T0.07,W15.0,L5 | |
| 1 | AC68-00285A | LABEL-TAPE TRANSPARENT;SESA,A/P,T0.3, | |
| 1 | AA68-50523A | LABEL-BACK,DOLBY;A/P 100(G),CW764AHD,DOL | |
| 1 | AA68-00526A | LABEL-RATING;ART PAPER(90),ALL MODEL,LAM | |
| 1 | AC68-00347A | LABEL-TRANSFER RATING;ALTA RESISTENCI | |
| 1 | AA68-50509A | LABEL-BOX;A/P 90(G),ALL MODEL,-,WHT,L250 | |
| 1 | AA68-00344A | LABEL-TRANSFER BOX;-,TF-53B | |
| 1 | AA68-00340A | LABEL-WARRANTY;-,-,-,WHT,75MM,20 | |
| 1 | AA68-00345A | LABEL-TRANSFER WARRANTY;-,TF-53B5D | |
| 1 | AA69-00862A | BAG PE;-,HDPE PE FOAM,T0.03,W400,H240 | |
| 1 | AA69-00744L | BAG-SHEET;-,HDPE PE FOAM,T0.015,W1650,H1 | |
| 1 | 6801-001015 | CARD REGISTRATION;XEG,GERMAN,MOJO100 | |
| 1 | AA68-02415A | CARD-RTF;COLORIT 54 CREMA,MOJO80G,SPA,A | |
| 1 | AA69-01876A | PALLET;ALL MODEL,WOOD,600,1200,120 | |
| 1 | 4301-000120 | BATTERY-MN;1.5V,-,AA,14.5x50mm,- | |
| 1 | AA63-10007B | BAND-PP;W18,CLEA | |

# 2. Exploded View & Parts List

## 2-1 SP43T7HF1

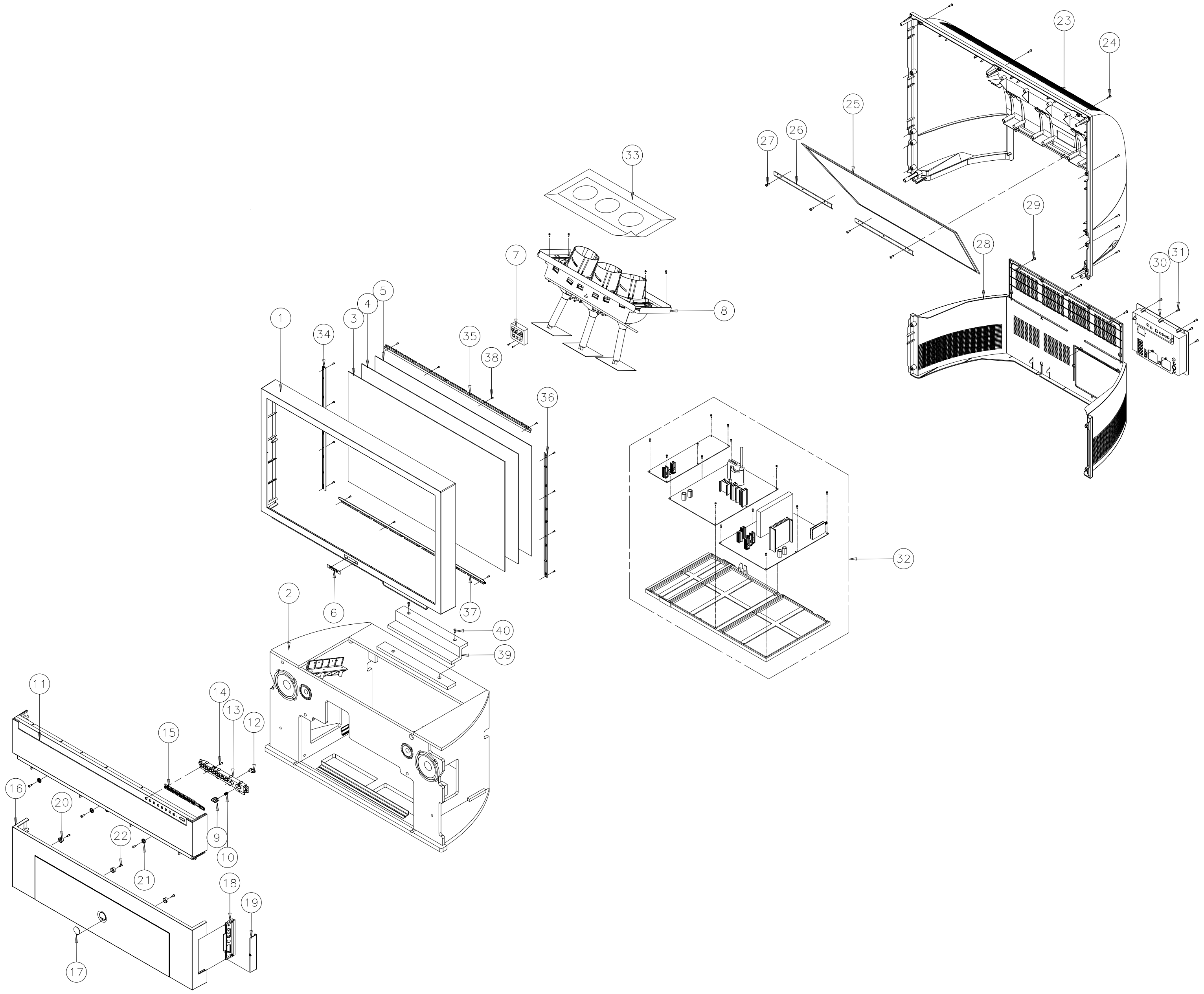
You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr



| No | Code No | Description | Specification | Q'ty | Remark | S.N.A |
|---|---|---|---|---|---|---|
| 1 | | ASSY COVER P-CABINET,MASK;SP-43T7HF,HIPS | | 1 | | |
| 2 | | SCREEN-FRESNEL;43N,-,T2,910*692,-,-,-,- | | 1 | | |
| 4 | | SCREEN-TINT;43,908*690,P=0.52,DNP | | 1 | | |
| 5 | | BRACKET-SCREEN,RIGHT-ASSY;43T7,SECC,T1.0 | | 1 | | S.N.A |
| 6 | | SCREW-SPECIAL;BH,+,-,M4,L12(11),ZPC(BLK) | | 20 | BS+CFM | |
| 7 | | BRACKET-SCREEN,TOP-ASSY;43T7,SECC,T1.0,S | | 1 | | S.N.A |
| 8 | | BRACKET-SCREEN,LEFT-ASSY;43T7,SECC,T1.0, | | 1 | | S.N.A |
| 9 | | BRACKET-SCREEN,BOT-ASSY;43T7,SECC,T1.0,S | | 1 | | S.N.A |
| 10 | | ASSY COVER P-FRONT,BOT;43T7,HIPS HB,G766 | | 1 | | |
| 11 | | WINDOW-LED;43T7,PMMA,T3.0 | | 1 | | S.N.A |
| 12 | | KNOB-POWER;43T7,ABS,HB,G3676,CIS | | 1 | | |
| 13 | | SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-, | | 1 | | S.N.A |
| 14 | | HOLDER-POWER,RMC;43T7,ABS HB,G3676,CR-CO | | 1 | | S.N.A |
| 15 | | WINDOW-RMC;43T7,PC,CLR | | 1 | | S.N.A |
| 16 | | COVER-DECORATION;43T7,ABS,HB,WHT,SVM6145 | | 1 | | S.N.A |
| 17 | | VELCRO-A;COMMANDO,BST1 1/4H | | 4 | | S.N.A |
| 18 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 4 | VC+CFB | S.N.A |
| 19 | | KNOB-CONTROL;43T7,ABS,HB,G3676,SILVER | | 1 | | |
| 20 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 2 | KC+CFB | S.N.A |
| 21 | | HOLDER-SIDE,A/V;43T7,ABS HB,G3676,SVM-11 | | 1 | | S.N.A |
| 22 | | DOOR-AV;43T7,ABS HB,G3676,SVM-1132 | | 1 | | |
| 23 | | ASSY COVER P-CABINET,WOOD;SVP-43T7HR,WOO | | 1 | | |
| 24 | | SPEAKER;30W,8OHM,91DB,20HZ | | 2 | | |
| 25 | | SCREW-WOOD;-,SWRCH18A,M4,L16,PH,+,-,-,ZP | | 12 | SPK+CW | S.N.A |
| 26 | | SPEAKER;20W,8OHM,95DB,1300HZ | | 2 | | |
| 27 | | BADGE-BRAND;72MM,AL FORGING,SVM1132,SAMS | | 1 | | S.N.A |
| 28 | | CABINET-BACK,TOP;43T7,HIPS,HB,G4309 | | 1 | | |
| 29 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 9 | CBT+CF | S.N.A |
| 30 | | MIRROR-BACK;43T7,SSM,795*569*554*(78) | | 1 | | |
| 31 | | BRACKET-MIRROR,ASSY;42W5,SECC,T1.0,01123 | | 2 | | |
| 32 | | SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR | | 6 | BM+CBT | S.N.A |
| 33 | | TRANS FBT-H/V DISTRIBUTOR;FWZ50A001E/FFA | | 1 | | |
| 34 | | BRACKET-CRT,MAIN;54,SECC,T1.6,-,-,-,- | | 1 | | |
| 35 | | CABINET-BACK,BOT;43T7,HIPS,HB,G4309 | | 1 | | |
| 36 | | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | | 3 | CBB+CW | S.N.A |
| 37 | | ASSY COVER P-TERMINAL,ANT;43T7HF,HIPS VO | | 1 | | |
| 38 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 3 | CBB+TB | S.N.A |
| 39 | | ASSY CHASSIS;SP43T7HFX/SAP,J54A | | 1 | * | S.N.A |
| 40 | | SPACER-COVER,DUST;43T7,SPONGE 94HF-1,T3. | | 1 | | S.N.A |
| 41 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 4 | CBBCFB | S.N.A |
| 42 | | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | | 4 | BS+CFM | S.N.A |

## 2-2 SP42W5HF

You can search for the updated part code through ITSELF web site.
URL : http://itself.sec.samsung.co.kr



| No | Code No | Description | Specification | Q'ty | Remark | S.N.A |
|---|---|---|---|---|---|---|
| 1 | | ASSY-FRONT,MASK;,HIPS HB,G4309,SVM1132,4 | | 1 | | |
| 2 | | ASSY-CABINET,WOOD;,WOOD,EUP,42W5 | | 1 | | S.N.A |
| 3 | | SCREEN-FILTER;T=82%,960*552*2,G=110,AG | | 1 | | |
| 4 | | SCREEN-TINT;42W,958*550,T=0.7,P=052 | | 1 | | |
| 5 | | SCREEN-FRESNEL;42W,960*552,T=2.0 | | 1 | | |
| 6 | | BADGE-BRAND;72MM,AL FORGING,SVM1132,SAMS | | 1 | | |
| 7 | | MODULE-FOCUS,PACK;SVP-5200,S300-P3,-,-,- | | 1 | | |
| 8 | | ASSY PRT;SP42W5HFX/XEO,J52A | | 1 | | S.N.A |
| 9 | | KNOB-POWER;42W5,ABS,HB,G3676,COT | | 1 | | |
| 10 | | SPRING ETC-CS;-,SUS304,-,-,OD6,N7,OD6,-, | | 1 | | S.N.A |
| 11 | | CABINET-PANEL,CONTROL;42W5,HIPS,HB,G4309 | | 1 | | S.N.A |
| 12 | | WINDOW-RMC,LED;42W5,PC,CLR | | 1 | | S.N.A |
| 13 | | KNOB-CONTROL;42W5,ABS,HB,G3676,COT | | 1 | | |
| 14 | | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | | 4 | KC+CPC | S.N.A |
| 15 | | GUIDE-KNOB,CONTROL;42W5,ABS HB,G3676,SVM | | 1 | | S.N.A |
| 16 | | CABINET-FRONT,BOT;42W5,HIPS,HB,G4309,SVM | | 1 | | |
| 17 | | BADGE-DECORATION;42W5,AL,NI,RS | | 1 | | |
| 18 | | HOLDER-SIDE,A/V;42W5,ABS HB,G3676,SV-704 | | 1 | | S.N.A |
| 19 | | DOOR-AV;42W5,ABS HB,G3676,SV-704P | | 1 | | |
| 20 | | VELCRO-A;COMMANDO,BST1 1/4H | | 3 | | S.N.A |
| 20 | | VELCRO-A;COMMANDO,BST1 1/4H | | 1 | | S.N.A |
| 21 | | VELCRO-B;COMMANDO,BST1 1/4H | | 1 | | S.N.A |
| 21 | | VELCRO-B;COMMANDO,BST1 1/4H | | 3 | | S.N.A |
| 22 | | SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR | | 1 | VC+CPC | S.N.A |
| 24 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 7 | CBT+CF | S.N.A |
| 25 | | MIRROR-FRONT;42W5,FSM,870*633*446 | | 1 | | S.N.A |
| 26 | | BRACKET-MIRROR,ASSY;42W5,SECC,T1.0,01123 | | 2 | | S.N.A |
| 27 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 4 | BM+CBT | S.N.A |
| 28 | | CABINET-BACK,BOT;42W5,HIPS,HB,G4309 | | 1 | | |
| 29 | | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | | 3 | HC+CW | S.N.A |
| 30 | | ASSY COVER P-TERMINAL,ANT;42W5,HIPS VO,B | | 1 | | S.N.A |
| 31 | | SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR | | 2 | TB+RJK | S.N.A |
| 32 | | ASSY CHASSIS;SP42W5HFX/XEO,J52A, | | 1 | | S.N.A |
| 33 | | SPACER-COVER,DUST;43,54,62J9,SPONGE 94HF | | 1 | | S.N.A |
| 34 | | BRACKET-SCREEN,ASSY(R);42W5,SECC,T1.0,NE | | 1 | | S.N.A |
| 35 | | BRACKET-SCREEN,ASSY(TOP);42W5,SECC,T1.0, | | 1 | | S.N.A |
| 36 | | BRACKET-SCREEN,ASSY(L);42W5,SECC,T1.0,NE | | 1 | | S.N.A |
| 37 | | BRACKET-SCREEN,ASSY(BOT);42W5,SECC,T1.0, | | 1 | | S.N.A |
| 38 | | SCREW-TAPTITE;-,SWRCH18A,M4,L12,HH,+,PC, | | 20 | BS+CF | S.N.A |
| 39 | | INLAY-SUPPORT;42W5,PS SHEET,T0.5,94V0 | | 1 | | S.N.A |
| 40 | | SCREW-WOOD;HH,+,M4,L19,ZPC(BLK),SWRCH18A | | 2 | IS+CW | S.N.A |